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OFFICE OF

ENVIRONMENTAL CLEANUP

POINT RUSTON

5219 N. SHIRLEY ST. SUITE 100 RUSTON, WA 98407

February 15, 2013

Mr. Kevin L. Rochlin Remedial Project Manager U.S. Environmental Protection Agency Region 10 1200 Sixth Avenue, ECL-111 Seattle, WA 98101

RE:

Monthly Report: No. 200, January 2013

Operable Unit No. 02 - Asarco Tacoma Smelter Site

Dear Mr. Rochlin:

Point Ruston is submitting this monthly report per the requirements of paragraph 48 of the Consent Decree for the above referenced site. The report is organized to follow item (a) through (g) of this paragraph.

If you have any questions, please call me at (253) 752-2185, extension 236.

Sincerely,

Loren Cohen

Manager of Legal Affairs

Attachment (2 copies)

cc:

Peter Striplin - Washington Department of Ecology

Evan Griffiths - CH2MHill (2 copies)

Leslie Ann Rose - Citizens for a Healthy Bay

Mike Oelrich – Hydrometrics, Inc.

USEPA SF

A. Actions taken to achieve compliance with the Consent Decree during the previous month.

- 1. Point Ruston personnel and its contractors hosted numerous meetings and conversations with EPA over the month of January, along with many electronic communications related to varying aspects of the project. Work continued on many various RA tasks, including work associated with the following projects:
 - ➤ Phase 1 CMP
 - ➤ Waterwalk CMP
 - > Temporary Cap & Storm Water Management Plan
 - > Sequence of Development Plan & Occupancy Plan
 - Occupancy Air Monitoring Plan
 - ➤ Long Term OMMP
 - > CC&Rs
 - > Metro Parks Peninsula Park CMP
 - DNR Sediment Cap RD

Point Ruston specifically met EPA/CH2MHILL/Metro Parks for a habitat basin tour on January 17, 2013. EPA was also on site for a review of the sediment cap work. And on January 25, 2013 Point Ruston hosted EPA for an RA coordination meeting, which included DOE's new representative Peter Striplin.

- 2. Point Ruston continued to conduct Air Monitoring per the approved plan under the CH&SP, and has also submitted a new air monitoring plan related to occupancy of the site. Point Ruston is in the process of installing the additional hi-vols and has purchased additional real-time monitors. A real time "E-Sampler" monitor was co-located with the hi-volume located at the south gate/nursery location in advance of the opening of Stage 1 of the Waterwalk.
- 3. Point Ruston and its contractors continued construction of the improvements associated with Phase 1 CMP. Point Ruston has completed and submitted the final Phase 1 RA Construction Report and has submitted a Phase 1 Occupancy plan, which includes a specific Contingency Plan for residential occupants. Point Ruston continues to discuss the Contingency Plan with EPA, and has met and discussed this plan on several occasions with EPA in advance of a tentative residential occupancy in March.
- 4. Point Ruston has submitted a plan for opening the Waterwalk to public access and use, which includes a Contingency Plan for such public access and use.

We have also submitted the Waterwalk RA Construction Report in January. Point Ruston plans to open the Stage 1 area of the Waterwalk in February, with the remainder of the Waterwalk open in coordination with occupancy of the Phase 1 CMP area (Copperline Apartments).

- 5. Point Ruston continued to perform all site maintenance and monitoring, including all requirements under the Site Wide Construction Health and Safety Plan.
- 6. Point Ruston continued weekly site-inspection reports (see attached).
- 7. Point Ruston maintained clean work areas and roads, including fencing and CRZ connections between site units.
- 8. Point Ruston conducted training activities for site visitors and workers, including the following:
 - ➤ Site Safety Orientations (Clean Zone) were held for:
 - i. Three hundred fifty six (356) site visitors and personnel of various companies
 - ➤ HAZWOPER Basic training was verified or completed by personnel of the following companies:
 - i. One (1) Point Ruston employee
 - ii. Two (2) DM Kelly employees
 - ➤ HAZWOPER annual retraining was verified or completed by personnel of the following companies:
 - i. One (1) CH2MHill employee
 - ii. Nine (9) Point Ruston employees
 - iii. Three (3) NW Linings employees
 - iv. One (1) City of Tacoma employee
 - ➤ Site Specific Safety Training (Exclusion Zone) was held for personnel of the following companies:
 - i. One (1) CH2MHill employee
 - ii. One (1) University of Washington intern
 - iii. Five (5) NW Linings employees
 - iv. One (1) DM Kelly employee
 - > Other relevant monitoring or training was verified or completed by personnel of the following companies:
 - i. One (1) University of Washington intern (Medical Surveillance)
 - ii. One (1) Teufel Landscape employee (Medical Surveillance)
 - iii. Six (6) Point Ruston employees (Medical Surveillance)

B. Summary of sampling, tests and all other data received or generated by Point Ruston in the previous month.

1. Storm water Outfall sampling, data and related activities include the following:

Section 2.3 of the Final Statement of Work (SOW) for Remedial Design and Remedial Action – Exhibit F to the Second Amendment requires Point Ruston to continue outfall monitoring. Outfalls will be monitored to determine if the monthly average surface water outfall concentrations for arsenic, copper, and zinc exceed 0.5 ppm at the North and South site outfalls until they are abandoned.

Weekly composite samples will be collected at each outfall during the construction season. During the winter season, outfall samples will be collected every other month. Asarco began the following schedule in May of 2003, which Point Ruston will continue to implement: weekly composite samples will be collected from April-October, and in December and February.

In addition to the North and South Outfalls, Point Ruston monitors an existing upland station near the southeastern end of the car tunnel. This monitoring station is designated OSW2. Outfall samples were not collected in January per the SOW schedule.

2. OCF leachate sampling, data, disposal and related activities include the following:

Point Ruston collects OCF leachate in a 5,000-gallon polyethylene tank for offsite shipment and disposal. The OCF OMMP requires inspections to correspond with monthly, quarterly, or semi-annual reporting intervals as specified by the Response Action Plan. However, Point Ruston inspects LCRS and LDCRS volumes daily. LCRS volumes currently average approximately 95 gallons per day. Point Ruston currently ships 4,700-5,000 gallons approximately every 50 days. Point Ruston shipped 4,546 gallons of leachate (3.67 mg/L arsenic) on January 15th. Sample results are attached.

A summary of 2012 OCF related activities is attached.

3. Air Monitoring, sampling, data and related activities include the following:

Point Ruston performs perimeter air monitoring for arsenic and lead analysis at three locations on the site: NW Corner of OCF, OCF Vault #1 (upper vault), and at the South Gate. With EPA approval, Point Ruston does not

conduct perimeter air monitoring during wet weather events that cause wet site conditions when there are no soil disturbing activities. Additional gravimetric analysis for Total Suspended Particulates (TSP) is being conducted at the South Gate location on a temporary basis. Perimeter air monitoring was not conducted on December 31st or January 1st due to lack of soil disturbing activities and wet site conditions. Results for samples collected January 2nd through January 25th are attached. There were no exceedances.

Point Ruston performs personal air monitoring in accordance with WAC 296-848-20060(1) & WAC 296-155-17609(1) (a) to determine if the airborne concentrations of arsenic and lead exceed the PEL. Personal air monitoring (Exposure Evaluations) was not required in January.

4. Methane gas monitoring sampling, data and related activities include the following:

Point Ruston performs subsurface methane gas monitoring pursuant to the EPA approved "Building 2B Sampling & Analysis Plan - Subsurface Gas Monitoring Activities" plan. In 2009 a passive gas extraction system was installed in conjunction with the 2B-West building foundation. Four (4) vent pipes were roughed-in through the floor slab. In 2011 Point Ruston installed four (4) gas monitoring wells within the future boundaries of the 2B-East foundation and began monitoring for methane at all eight (8) locations (4 passive vent pipes; 4 wells). Sampling at these locations has been ongoing, pursuant to ASTM E2600. On October 9, 2012 the four (4) gas monitoring wells within the boundaries of the 2B-East building foundation were plugged and abandoned. Methane monitoring for the month of December was conducted at the remaining four (4) locations of the passive gas extraction system under the 2B-West building foundation. The Gas Monitoring Data Log and field worksheet for the month of January are attached. No methane has been detected to date. Methane monitoring of the passive extraction system will continue.

5. Miscellaneous soil sampling, data and related activities include the following:

Point Ruston performs miscellaneous on-site soil sampling related to its various ongoing RA work and development. Analysis results are attached.

➤ Soil sampling was conducted on January 15th from the liner preparation area between building 2B and the Waterwalk.

- ➤ Soil sampling was conducted on January 21st from the liner preparation area near the Joint Utility Trench about 50 feet NW of the north corner of 2B.
- Soil sampling was conducted on January 23rd from the Metro Parks Borrow Soils haul road in the north end MMZ (Reference CH2MHILL RFI-020).
- ➤ Soil sampling was conducted on January 23rd from the Metro Parks borrow soils haul road in the MMZ.

C. Work Plans and other deliverables completed and submitted during the previous month.

1. Plans and Documents included the following:

Temporary Cap Plan & Site-Wide Storm Water Plan

EPA approved the conceptual temporary cap plan and storm water plan, including plans and specifications, and approved the installation of the system on the south end of the site. A formal Temporary Cap and Site-Wide Storm Water Plan has been updated and has been resubmitted in January, construction continues on the areas previously approved by EPA.

Construction Health & Safety Plan v.6 (CH&SP)

This plan was submitted to EPA, and comments have been received. Point Ruston is drafting responses and anticipates finalizing responses soon. This will be finalized after the approval of occupancy documents.

Waterwalk CMP

This plan was approved by EPA. Point Ruston has responded to final comments from the City of Tacoma. A plan for opening the Waterwalk to public access and use has been submitted in January, which includes a Contingency Plan for such public access and use. The Waterwalk Access and Use Plan was submitted on December 6, 2012. The RA work along the Waterwalk is complete and Point Ruston is finalizing some of the last aspects of the public amenities, working on the Waterwalk RA Construction Report, and plans to open the Stage 1 area as soon as possible. Stage 2 access and use is tentatively scheduled to coordinate with the opening of the Copperline project being built under the Phase 1 CMP.

Phase 1 Construction Management Plan (CMP)

Point Ruston submitted minor updates to the Phase 1 CMP to EPA on 12/19/2012. Point Ruston has submitted a Final Phase I RA Construction Report in January, which has been approved by EPA. The Phase I Occupancy Plan has also been submitted, which includes a specific Contingency Plan for residential occupants. Final hardscape site work has been completed in January, and Point Ruston is working towards first residential occupancy in March.

Master Infrastructure CMP (MICMP)

Construction of the MICMP is substantially complete, with minor punch list items being completed. Point Ruston will be submitting a design addendum related to the abandonment of the tunnel. Point Ruston will submit a draft construction report to EPA for its review and final inspection related to Certification of Completion for this phase of work, which include a final opportunity to review final as-builts. This Draft Construction Report will seek Certification of Approval for the RA competed on this Phase of the Site.

Ruston Way CH&SP Plan

Completed and submitted to EPA for Ruston Way opening. Approved, and roadway opened in June 29th. EPA granted formal, written approval of the plan on 12/18/2012.

Sequence of Development and Occupancy Plan (SDOP)

The SDOP submitted to EPA, to include a new Contingency Actions section, per EPA request. EPA has responded with comments and an updated plan should be ready for submittal in February. The plan includes an updated occupancy air monitoring plan, as well as all other health and safety measures that are to be incorporated in all future CMPs for future occupancy procedures.

Operations Maintenance and Monitoring Plan (OMMP)

The OMMP was submitted to EPA on 09/04/2012. Point Ruston is awaiting final approval. Point Ruston did enter into a final cost sharing agreement with the City of Tacoma regarding the extra-ordinary costs associated with O&M of the public components associated with the MICMP.

CC&Rs

The environmental CC&Rs were submitted to EPA on 09/04/2012. Point Ruston is awaiting final approval.

Biological Assessment South Outfall Construction (Edwards Street)/ BA South Outfall Flow (Edwards Street)

The BA was completed and approved, and the outfall was successfully constructed. Final designs and permitting continues with the City of Tacoma. Approval is tentatively estimated to be given in February, with the work accomplished in a coordinated effort with the Sediment Capping RA.

BA Shoreline Stabilization RA

Post-inspection completion report has been drafted and will be submitted to EPA following final armoring conducted as part of the Peninsula Park CMP and/or MICMP.

Sediment Capping RA

Point Ruston submitted updates to the plans and specifications to reflect new terms of DNR agreements on 12/19/2012 and EPA approved this RD on 12/19/2012 upon issuance of its Water Quality Certification. Point Ruston and EPA finalized the plans and specs and this project is scheduled to be implemented during the current fish window. Notice sent to USCG on 12/19/2012, and construction is set to being on January 2, 2013. A preconstruction meeting including EPA, Point Ruston's contractor Pacific Pile & Marine, the IQAT team from Anchor QEA, and the design engineers from Hydrometrics was held on 12/27/2012. Work began Jan 14, with the contractor mobilizing-in & debris removal taking place. On 01/16/2013 rip rap material placement began. Work has continued and is approximately 60% done, and tentatively anticipated to be concluded by February 28th, with the need for a minor extension of the Water Quality Certification.

Peninsula Park CMP

Peninsula Park CMP was submitted to EPA on 09/04/2012. Pre-construction work will begin in anticipation of final Peninsula Park CMP approval, with preliminary grading and SAP of import materials being conducted first. EPA submitted comments to Point Ruston on 10/9/2012, and Point Ruston responded to EPA on 10/10/2012. Point Ruston held a preconstruction meeting on 10/11/2012. EPA submitted additional comments to Point Ruston on 12/04/2012. Point Ruston will resubmit revised CMP addressing EPA comments. Point Ruston began construction of the subgrade for Yacht Club Road, as well as completed the final digging and hauling of sub grade materials for the Peninsula. Work has been delayed due to wet weather, but it is anticipated that it should be complete in the spring.

2. Remedial Action included the following tasks:

OCF construction activities:

Maintained leachate collection system; Inspected storm drain system, vaults and cover; Maintained the temporary storage area, related to site-wide grading and Temporary Cap construction. Point Ruston agreed with the Town of Ruston to move the materials and equipment away from the frontage of The Commencement apartment building. Material and equipment relocating has begun and will continue as weather and resources allow.

Stack Hill construction activities:

Maintain lot grading and final cover in clean, final RA form.

Phase 1 CMP

Continued RA construction of utility connections and final roadway subgrade for permanent cap subgrade, including along view corridors and Main Street. Completed footing construction of 2B-East foundation and commenced plumbing groundwork.

Waterwalk CMP

Complete work and open Stage 1 for public access and use. Work is ongoing, including construction of the lateral spreader storm water system, and completion of the liner, marker layer and cover soils along the extent of the project. Topsoil placement and irrigation system installation, and final landscape installation is nearing completion. Final prep for public amenities foundations is on-going, as is installation of the buffer and perimeter fencing. Final RA is complete. Establishment of rock monuments and install tile mosaic hardscapes continues, and BMPs and CH&SP zones are continuously monitored and maintained. Drafting for the Draft Construction Report has begun, and ESM conducted final surveying on January 24th to 25th. A precertification inspection is proposed for early February to begin the process for finalizing a Certification of Completion.

Temporary Impervious Cap and Construction Storm Water Management Plan

Implement the cap in conjunction with the opening and use plan for the Waterwalk, and work westward across the site to implement the temporary cap. Approximately 30% of the TIC has been completed, and the remainder of the HDPE materials have been ordered for final install of the entire Temporary Impervious Cap (TIC). The final TIC Plan has been updated and will be submitted to EPA for its final approval; however, work has continued in those areas of the Site approved by EPA for TIC installation.

Site-wide remediation/redevelopment activities:

- > Continued surface water controls
- Maintained onsite haul roads and stockpiles
- Maintained erosion and surface water controls; Inspected and repaired silt fence and exclusion zone fencing.
- Continued site-wide dust monitoring and control through site and access road watering, as needed.
- Maintained air-monitoring program per CH&SP requirements
- Continued to maintain Ruston Way Construction Health and Safety protocols, including air monitoring, dust suppression, buffer zone maintenance, fencing and signage.

D. Actions scheduled for the next six weeks.

- 1. Point Ruston to maintain the Ruston Way Health and Safety protocols, including applying tacifier to all buffer areas with exposed soils, and continuing to monitor for dust.
- 2. Point Ruston to continue construction of Waterwalk CMP improvements and work to open the First Stage to public occupancy as a test of the site wide SDOP and Institutional Controls.
- 3. Point Ruston and EPA finalizing RD approvals for the following plans and documents:
 - ➤ Peninsula Park CMP
 - > OMMP
 - > SDOP
 - > Temporary Cap Plan and SWP
 - ➤ Institutional Controls/CC&Rs
 - ➤ Phase 1 CMP (updated)
 - ➤ CH&SP v.6
- 4. Continue construction of Temporary Cap and Site Wide Storm System, including construction of swales and anchor trenches, as well as layout of interim storm water system, temporary liner(s) and cover system. Ordering of all materials will be finalized and with cooperating weather the TIC will be installed
- 5. Continue CH&SP air monitoring during RA activities also TSP sampling and analysis and correlating the data for eventual data-ram analysis during occupancy.

6. Continue to implement terms of the settlement with Metro Parks Tacoma and the State of Washington regarding the off-site remedial action required under the Consent Decree.

The following Remedial Action tasks are planned to continue:

RA Monitoring:

- a. Outfall sampling (weekly composite samples) during scheduled months
- b. Air monitoring during remedial action activities

OCF OMMP activities:

- a. Continue collection of leachate for offsite disposal
- b. Continue monitoring of leachate volumes

Stack Hill construction activities:

- a. Erosion controls and site maintenance, and maintain roads and landscaping, including mowing, and keep and maintain the landscaping.
- b. Continue sales & marketing efforts for custom home construction

Site-wide construction activities:

- a. Maintain roads and stockpiles onsite
- b. Maintain erosion controls
- c. Complete site wide grading and placement of onsite stockpiles and soils in advance of subgrade construction and compaction.
- d. Maintain erosion control BMPs and CH&SP standards

Phase 1 CMP

- a. Continue vertical construction
- b. Continue utility construction
- c. Continue roadway construction
- d. Continue final cap RA construction
- e. Maintain erosion control BMPs and CH&SP standards
- f. Prep for first residential occupancy

Waterwalk CMP

- a. Continue construction of Waterwalk improvements, finalizing First Stage for public access and use and prepping for next stage to open for public access and use.
- b. Maintain erosion control BMPs and CH&SP standards

Temporary Impervious Cap and Construction Storm Water Management Plan

- a. Continue final mass grading
- b. Storm water construction
- c. Installation of temporary cap materials, including liner(s) and gravel or sandbag cover system

E. Percentage completion, unresolved delays encountered or anticipated that may affect schedule, and efforts to mitigate delays.

Completion of EPA negotiations on RA schedule modifications and associated matters. Weather continues to hamper full installation of the TIC.

F. Modifications to work plans or schedules proposed to or approved by EPA.

- 1. The Second Amendment to the Consent Decree was finalized and the sale of the property to Point Ruston LLC completed on October 31, 2006.
- 2. Point Ruston and EPA agreed to begin final negotiations of a Consent Decree amendment to include updates to the SOW Schedule, in exchange for an agreement by Point Ruston to complete an interim temporary cap on the site. Discussions are on-going.

G. Activities undertaken to support Community Relations Plan during the previous month and planned for the next four weeks.

- 1. Point Ruston continues to work in conjunction with staff from the Town of Ruston and City of Tacoma regarding development plans, which incorporate remediation components for the site.
- 2. Point Ruston continues negotiations, design and conclusion of the sale of Waterwalk property and finalizing of the LID assessment roles with the City of Tacoma.
- 3. Point Ruston continues to meet with the Town of Ruston, City of Tacoma and Metro Parks to address operation, maintenance, and monitoring issues at the site, including the Waterwalk area which ultimately will be sold to the City of Tacoma and maintained under contact by Metro Parks Tacoma.

WEEKLY

SITE

INSPECTION

REPORTS

D C	D /	
Reference	Date	Description
GEN2012-1230	12/30 – 01/05	General Site Weekly Inspection Report
SH2012-1230	12/30 - 01/05	Stack Hill Weekly Inspection Report
STR2012-1230	12/30 - 01/05	Streets Weekly Inspection Report
TIC2012-1230	12/30 - 01/05	Temporary Impermeable Cap Weekly Inspection Report
WW2012-1230	12/30 – 01/05	Waterwalk Weekly Inspection Report
PEN2012-1230	12/30 - 01/05	Peninsula Weekly Inspection Report
GEN2013-0106	01/06 - 01/12	General Site Weekly Inspection Report
SH2013-0106	01/06 - 01/12	Stack Hill Weekly Inspection Report
STR2013-0106	01/06 - 01/12	Streets Weekly Inspection Report
TIC2013-0106	01/06 - 01/12	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0106	01/06 - 01/12	Waterwalk Weekly Inspection Report
PEN2013-0106	01/06 - 01/12	Peninsula Weekly Inspection Report
GEN2013-0113	01/13 - 01/19	General Site Weekly Inspection Report
SH2013-0113	01/13 - 01/19	Stack Hill Weekly Inspection Report
STR2013-0113	01/13 - 01/19	Streets Weekly Inspection Report
TIC2013-0113	01/13 - 01/19	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0113	01/13 - 01/19	Waterwalk Weekly Inspection Report
PEN2013-0113	01/13 - 01/19	Peninsula Weekly Inspection Report
GEN2013-0120	01/20 - 01/26	General Site Weekly Inspection Report
SH2013-0120	01/20 - 01/26	Stack Hill Weekly Inspection Report
STR2013-0120	01/20 - 01/26	Streets Weekly Inspection Report
TIC2013-0120	01/20 - 01/26	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0120	01/20 - 01/26	Waterwalk Weekly Inspection Report
PEN2013-0120	01/20 - 01/26	Peninsula Weekly Inspection Report
GEN2013-0127	01/27 - 02/02	General Site Weekly Inspection Report
SH2013-0127	01/27 - 02/02	Stack Hill Weekly Inspection Report
STR2013-0127	01/27 - 02/02	Streets Weekly Inspection Report
TIC2013-0127	01/27 - 02/02	Temporary Impermeable Cap Weekly Inspection Report
WW2013-0127	01/27 - 02/02	Waterwalk Weekly Inspection Report
PEN2013-0127	01/27 - 02/02	Peninsula Weekly Inspection Report



GENERAL SITE

Weekly Site Inspection Report No. GEN 2012-1230

Week of: 12 / 30, 2012 - 1 / 5, 2013 Inspector: Tim Rusitian

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	NEED REPAIR?	COMMENTS/OBSERVATIONS
Gates: Slag Peninsula 52 nd Street 54 th Street (electric)	G F P G F P	Y (N) Y (N) Y (N)	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety Security:	G F P G F P	Y N Y N	
Locks Alarms Cameras	G F P G F P	Y N Y N	
BMPs: Silt Fence Waddles	G F P G F P	Y N Y N	
Nursery: Plants Sprinkler Weeds	G F P G F P	Y (Ñ) Y (N) Y (N)	WINTERIZED
Stockpiles: Envirotac II Plastic Packed Grass	G F P G F P G F P	Y N Y N Y N	
Dust: Traffic areas Excavation area	(G) F P (G) F P	Y N Y N	
Fencing: Site Perimeter Zone Separation	G F P G F P	Y (N) Y (N)	
CRZs: Area D (Other)	G F P G F P	Y N Y N	
Haul Roads: Main Street Grand Ave. OCF road Metr.Pks-Peninsula	G F P G F P G F P	Y N Y N Y N Y N	

GENERAL SITE - Weekly Site Inspection Report No. GEN 2012-1230 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

The House					
Misc	. note	es:	-		
				,	
ir Mo	nitor	ing:		,	
and the last	Week	Hi-Vol QTY	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	30	Ø	0	0	NO RA ACTIVITY
Mon	31	3	0	0	2A STURM DRAIN WORK
Tue	1/1	Ø	0	0	NORA ACTIVITY
Wed	2	3	0	Ø	2B STORM DRAW BYWH BLONG + WATERWALK
Thu	3	3	Ø	0	TIC MERA FLINER/FABRIC + GRAND ON MA HAMIROM
Fri	4	3	0	Ø	TIC AREA F (ANCHOIS)/2B STURM DRAW WORK
Sat	5	Ø	Ø	Ø	NO RA ACTIVITY
EAT	HER				
Day of	Week	(LOW/H	IIGH)		Summary of Weather Conditions
Sun	30	31.1	ll°;EA	ST	WIND 2 MPH GUST ZMPH, NO PRECIPITATION.
Mon	31	31.1	MEA	ST	WIND AMPHIGUST ZMPH, NO PRECIPITATION
Tue	1/1	27.14	b; EA	ST	WIND ANPAIGUST SMPH, NO PRECIDITATION
Wed	2	28:4	1°;su	U C	JIND IMPHIGUST LOMPH, NO PRECIPITATION
Thu	3	204	1°;54	U C	JIND ZMPH/GOST 9MPH, PRECIP. 0.14" (SCATTERED)
Fri	4	37°/5	1:55	E	2 MPH/GUST 9 MPH. PRECIP & &6" (TRACE)
Sat	5	410/4	5;5	E	IMPH/GUST 18MPH. PREUD, 004" (TRACE)
ertify	that	this rep	port is	true, a	occurate and complete, to the best of my knowledge and belief.
NSP.	ECTO	DR: DA	ATE:		1/7/2013 SIGNED:
				1	
&S (FFIC	ER: I	DATE:	1/-	SIGNED:



STACK HILL

Weekly Site Inspection Report No. SH 2012- 123%

Week of: 12/3% - 1/4, 2012/3 Inspector: Date Shughter Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

			AND DESCRIPTION OF THE PERSON NAMED IN	-	AND DESCRIPTION OF THE PERSON NAMED IN	ma Smelter Site (Point Ruston)				
INSPECTION AREA		VERANDIT			EED PAIR?	COMMENTS/OBSERVATIONS				
Streets:					T					
Villard St.	(G)	F	P	Y	N					
Court St.	(G)	F	P	Y	N					
Commercial St.	G	F	P	Y						
Baltimore St.	(G)	F	P	Y		· · · · · · · · · · · · · · · · · · ·				
49 th St.	(G)	F	P	Y	N/					
Tract A (private)	(G)									
Lot #18 (private)		F	P	Y	X					
	(G/	F	P	Y	(N)					
View Point:										
Parking Pad	(G)	F	P	Y	N					
Gravel Path	©	F	P	Y	M					
Display Boards	(G)	F	P	Y	W					
Storm Drains Clean:						CLEANED DEBRIS FROM GUTTER				
Catch Basins	(G)	F	P	Y	(N)	AND STORM DRAW GRATES				
BMPs:					5	AND STORM DIMIN CHIATES				
Hydroseed	G	F	P	Y	(NI)					
(Other)	G	F	P		N					
	W.	Г	P	Y	(N)					
Sidewalks:										
Damage	(G)	F	P	Y	(1)					
Weeds	©	F	P	Y	W/					
Signage:										
Perimeter "Advisory"	(G)	F	P	Y	N					
No Trespass (Tunnel Hillside)	(G)	F	P	Y	N					
Dust:										
Excavation Areas	(G)	F	P	Y	(N)					
Fencing:		-	1		W					
4' Site Perimeter	(G)	E	D	77	(37)					
6' Temp. Panels		F	P	Y						
	(G)	F	P	Y	N	,				
Street Lights:										
Condition	G	F	P	Y	(N)	TRACT - A LIGHT POLE REPLACION				
Site Markers:						1000 1000				
Lot Numbers	(G)	F	P	Y	(N)					
Utilities	(G)	F	P	Y	OB,					
Survey Stakes	(G)	F	P	Y	W					
Retaining Walls:										
Baltimore	(G)	F	P	Y	(N)					
Lots 22/23/24	(G)	F	P	Y						
1003 22/23/27	(9)	Г	r	ĭ	N					

STACK HILL - Weekly Site Inspection Report No. SH 2012-1239 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:	
light of	ast Replaced ON Villard St.
tify that this	report is true, accurate and complete, to the best of my knowledge and belief.
SPECTOR:	DATE: Jan. H. 2013 SIGNED: Harry Dough
εS OFFICER	: DATE: 1/5/13 SIGNED:



STREETS

Weekly Site Inspection Report No. STR 2012- 123の

Week of: 12 130 - 1 15, 2012/3 Inspector: Inspector: Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION	NEED REPAIR?	COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands	Good Fair Poor G F P G F P	Yes No Y Y Y Y Y Y	
Barricades	G F P	Y	
Signage: Trespass Advisory Traffic Marketing	Good Fair Poor F P F P F P F P	Yes No Y N Y N Y N Y N Y N	SEE NOTE BELOW
Street Lights: Ruston Way 51 st Street Baltimore Yacht Club Junction Boxes	Good Fair Poor G F P G F P G F P G F P G F P	Yes No Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y	R-A-B SIEN ON LIBERT POLE TURNED
Storm Drains: Curb/Gutter CBs Filterras	Good Fair Poor GF F P GF F P	Yes No Y Y Y Y Y	CLEARED DEBRIS FROM GUTTIFR AND STORM DRAIN GRATES AS NOTOON
Sidewalks: Paint Crossings Bollards	Good Fair Poor G F P G F P	Yes No Y Y Y Y N	
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good Fair Poor G F P G F P G F P	Yes No Y N Y N Y N Y N	
Roundabouts: Grand Yacht Club	Good Fair Poor G F P G F P	Yes No Y Y Y	
Features: Wall/Rail Development Sign	Good Fair Poor G F P G F P	Yes No Y N	,

STREETS - Weekly Site Inspection Report No. STR 2012- 12-39

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	No	
Cooling Pond – West	(G)	F	P	Y	N	
Cooling Pond – North	(G)	F	P	Y	N	~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Lot #12	(G)	F	P	Y	N.	20
Lot #10 – West	(G)	F	P	Y	(N)	6
Lot #10 – North	(6)	F	P	Y	N	1 1
BNSF – A	G	F	P	Y	/N/	X D
OSW02	(G)	F	P	Y	N	
Grand — East	Ğ)	F	P	Y	N	02 /
Grand – West	G	F	P	Y	N/	
Cascade	G	F	P	Y	N	
Yacht Club - North	G	F	P	Y		50
Yacht Club – South	G	F	P	Y	/N/	

Other:	Good	Fair	Poor	Yes	No
Roundabouts	(G)	F	P	Y	(N)
Jersey Barriers	(G	F	P	Y	(N)
Baltimore Bridge	(G)	F	P	Y	N

Misc. notes	Misc. notes:							
Overall	Street Consditions are	good,						
		0						
	^							

I certify that this report is true, accurate and	complete, to the best	of my knowledge and belief.
--	-----------------------	-----------------------------

INSPECTOR: DATE:

REVIEWED: DATE:



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2012- 1230

Week of: 13/ - 115, 2012/3 Inspector: Harry SlaughteOperable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

	Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)								
INSPECTION AREA	OVERAL CONDITION		The state of the s		AN?		ED AIR?	COMMENTS/OBSERVATIONS	
Area A		T							
Geomembrane	©	F	P	8	N	Y	(N)	(N 6	
Gravel-Cover	©	F	P	0	N	Y		GRANG	
Edge Anchorage	©	F	P			Y	N)	- 14	
Drainage	G	200		D	N		N	Son er.	
Dramage		F	P	D	N	Y	N	1500	
	G	F	P	Q	N	Y	N		
Area B								Í,	
Geomembrane	©	F	P	(Y)	N	Y	(N)	(CRAD	
Gravel-Cover	G	F	P	(1)	N	Y	N	1 (519	
Edge Anchorage	© ©	F	P	(Y)	N	Y	(N)		
Drainage	G	F	P	(1)	N	Y	N	Ron	
	G	F	P	(Y)	N	Y	(N)		
Area C				(~)				/	
Geomembrane	(G)	F	P	(B)	N	Y	(N)	GRADE	
Gravel-Cover	G	F	P	M	N	Y	1.	1 OBY	
Edge Anchorage,	0	F	P	(A)		Y	(N)	1 X	
Drainage		F			N		(N)	20064	
Drumage	Ĝ G	and the second second	P	D	N	Y	N	X03	
	U	F	P	8	N	Y	N		
Area D								• /	
Geomembrane	G	F	P	(V)	N	Y	(N)	100	
Gravel Cover	0	F	P	1	N	Y	(D)	(alexi)	
Edge Anchorage	G	F	P	O	N	Y	(A)		
Drainage	G	F	P	(Y)	N	Y	Ň	Roubit	
	6	F	P	OR	N	Y	(N)	KOS	
Area E									
Geomembrane	(G)	F	P	80	N	Y	N	c = E	
Gravel Cover	(G)	F	P	0	N	Ŷ	(0)	GRADE	
Edge Anchorage	6	F	P	Ø	N	Y	000	O.P.	
Drainage	6	F	P	0	N	Y	-	Rook	
	G	F	P	(Y)	N	Y		Vo	
Area F	-	1.	1		14	1	(IX)		
Geomembrane	G	F	D	77-	NT .	4.5	C 25		
Gravel Cover			P	Y	N	Y	N	INSTALLED WED + THOR	
Edge Anchorage	6	F	P	(1)	N	Y	CN	SAND BAGS	
Drainage	(G)	F	P	0	N	Y	(N)	SAND BAGS NOTHING FRINAY	
Diamage	(G)	F	P	(V)	N	Y	(K)		
	(G)	F	P	(X)	N	Y	N		
Area G									
Geomembrane	(G)	F	P	(V)	N	Y	N N	. NE	
Gravel-Cover	(G)	F	P	1	N	Y	Û	GRADE	
Edge Anchorage	(G)	F	P	(1)	N	Y	A -	51	
Drainage	G							SH	
		F	P	00	N	Y	N	FANISH 5	
	G	F	P	B	N	Y	W	1	
				The second second	C-0/10				

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2012- 123 Ø Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA		VERA NDIT		CLEAN?			EED AIR?	COMMENTS/OBSERVATIONS
Area H Geomembrane Gravel Cover Edge Anchorage Drainage	\$\text{\$\pi\$}\$	F F F F	P P P	Y Y Y Y Y	N N N N	Y Y Y Y		PARTIAL SANDBAGS
Area I Geomembrane Gravel Cover Edge Anchorage Drainage	6 6 6 6 6 6	F F F F	P P P		N N N N	Y Y Y Y	(X) (B) (B) (B) (B)	SANN BAGS
Area J Geomembrane Gravel Cover Edge Anchorage Drainage	6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	F F F F	P P P P	\$\mathcal{X}\tag{\mathcal{X}}{\mathcal{X}}\tag{\mathcal{X}}{\mathcal{X}}	N N N N	Y Y Y Y Y Y	N N N	

Misc. notes:
Areas I & Hiliner is in tack
AREA I INSTALLED
AREA H PARTAL INSTALLED
ARFA F NOTANDO 1/2 + 1/3 THO WEEK

I certify that this report is true, accurate and complete, to the best of my knowledge and belief.

INSPECTOR: DATE: Jan. 4, 20/3 SIGNED: Jan. 2 SIGNED: SIGNE



WATERWALK

Weekly Site Inspection Report No. WW 2012-1230

Week of: 12/30-01/95, 2012 Inspector: Tim Rusher Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CO	VERANDIT	AL ION	NE REP	ED AIR?	COMMENTS/OBSERVATIONS
Paths:	Good	Fair	Poor	Yes	No	
Asphalt	V				V	
Gravel	V				V	
Signage:	Good	Fair	Poor	Yes	No	
Trespass	/				/	
Advisory	1				V	
(Other)						
Street Lights:	Good	Fair	Poor	Yes	No	
Junction Boxes	/				/	n - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
Poles	V					POLES INSTALLED W/O FIXTURES
Bulbs	/					TEMP LIVES LIBERY & COLOR
Banners						TEMP LIGHTS IN STAGE I ONLY PENDING
Storm Drains:	Good	Fair	Poor	Yes	No	
Area Drains	V			V		SOME NEW TRIMMED OUT
Clean Outs	V				/	COME NOED TRIMMED ONT
Octopus:	Good	Fair	Poor	Yes	No	
Tile	1				V	
Grout	V				V	
Paint					1	
Intersection #1:	Good	Fair	Poor	Yes	No	UNDER GNSTRUCTION (TENTED)
Tile						OBBC SUSTICION (TENTED)
Grout						
Paint						
Intersection #2:	Good	Fair	Poor	Yes	No	D. W. 28 (- 127)
Tile						THE WORK IN PROGRESS (TENTED)
Grout						- NA -
Paint	V				1	70 47
Intersection #3:	Good	Fair	Poor	Yes	No	
Tile	V	1	17.74		V	RIBBONEY OFF
Grout	V				V	MODUNES OFF
Paint	V				V	
Intersection #4:	Good	Fair	Poor	Yes	No	
Tile						PENDINE
Grout						
Paint					V	
Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	V	,			V	
Valve Boxes	1/			-	-	
, ar to Boxes	V			A STATE OF THE STA		

STREETS - Weekly Site Inspection Report No.

WW 2012-1230

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

	-					
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	V				V	
Plants	V				V	
Sprinkler	100				₩.	
Bark/Mulch	1				V	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches						NCOMPLETE
Tables						PENDING
Trash Cans						IN PROGRESS
Gates:	Good	Fair	Poor	Yes	No	.1031-0.2
Ferry – South	1			V	Ī	NEEDS BRACING FOR WINDS
TIC – I/H						NOGATE
Intersection #1						
Intersection #2						PENONS
Intersection #3						
Grand Plaza						/-
Intersection #4						
Peninsula - North	1				1	W .
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights					/	NOT CONNECTED YET
Concrete						MOLOWING COLER LE
Rails	_				V	PENDING
Big Toy:	Good	Fair	Poor	Yes	No	WORK IN PROGRESS
Block Wall	/				V	WORK IN PIEOGIRES
Swings					V	
Chips	-	/		1		CONSTRUCTION DEBRIS ON CHAS
Other:	Good	Fair	Poor	Yes	No	Company of the state of the sta
Coyotes	V.				V	
Tide Pool	/			/		PART OF CONTAINMENT BOOM HORDS REMOVED
Misc. notes:						
certify that this report is tru	ie, accura	ate and	comple	ete, to th	e best o	f my knowledge and belief.
SPECTOR: DATE:	-1/	17/	13		SI	IGNED:
EVIEWED: DATE:	-1/	7/1	3			SIGNED:



PENINSULA

Weekly Site Inspection Report No. PEN 2012-1230

Operable		_	The second second second	rco	lacor	na Smelter Site (Point Ruston)
INSPECTION AREA	CO	VERANDIT	ION	REP	EED AIR?	COMMENTS/OBSERVATIONS
Fence:	Good	Fair	Poor	Yes	No	
Perimeter	V				V	
Exclusion Zone Silt	V				V	
	V				V	SILT FEDGE REDAIRED ON 12/21
Source Area:	Good	Fair	Poor	Yes	No	
Drainage BMPs	V				V	
Equipment	V	-			× /	
Metro Parks Materials	V				/	
	-				-	
Haul Road:	Good	Fair	Poor	Yes	No	
Road Base	1		1001	165	1	DAGGO FARRIC ASTON GRANUL
Gravel Cover	V					PLACED FABRIC AFFIREGRADINA CLEAN GRAVET OVER FABRIC
Drainage	1/		100			CLPAID GIRAGE OURS AIDING
Metro Parks Materials	1					WELL CASINGS PLACED FLONG HALL
						TO DE CONTRACTOR OF THE PROPERTY OF THE PROPER
Peninsula Liner:	Good	Fair	Poor	Yes	No	
Geomembrane						DENVING
Gravel Cover						
Marker Fabric Drainage						
Dramage						
Other Features:	Good	Fair	Poor	Yes	No	
Shoreline Armoring	V	Pan	FOOT	ies	No	
Habitat Basin	·/				V	
City Outfall	1					
					V	
lisc. notes:						
	s true,	accur	ate and	d comp	olete, to	the best of my knowledge and belief.
PECTOR: DATE:		1 /				IGNED:



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013-0106

Week of: 01 / 06 - 01 / 12, 2013 Inspector: TIM Rusher Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CO	VERANDIT	AL ION	NE REP	EED AIR? CK ONE)	COMMENTS/OBSERVATIONS
Gates:	Good	Fair	Poor	Yes	No	(See "Streets" Report for additional gates)
Slag Peninsula	~				V	
52 nd Street	6				~	
54 th Street (electric)	/				V	
Signage:	Good	Fair	Poor	Yes	No	
Gates	V				~	
Perimeter	V				-	INSTALLED "POBLIC NONCE" SIGNS (3) HONP.W.
Safety	~				V	•
Security:	Good	Fair	Poor	Yes	No	
Locks	V				V	
Alarms Cameras	V				V	
CLAW MARKET MARKET AND THE LOS		V			V	
BMPs:	Good	Fair	Poor	Yes	No	1
Silt Fence	V				V	
Waddles	V				V	
Nursery:	Good	Fair	Poor	Yes	No	
Plants	V				V	
Sprinkler Weeds	V				V	
		V			V	
Stockpiles:	Good	Fair	Poor	Yes	No	
Envirotac II	V				V	
Plastic Packed	V				V	
Grass	V				V	
	V				V	
Dust:	Good	Fair	Poor	Yes	No	
Traffic areas	V				/	
Excavation area	V				born	
Fencing:	Good	Fair	Poor	Yes	No	
Site Perimeter	V				$\sqrt{}$	
Zone Separation	V				V	UNDER CONSTANT MAINTENANCE
CRZs:	Good	Fair	Poor	Yes	No	
Area D	V				V	NOT IN USE
(Other)						
Haul Roads:	Good	Fair	Poor	Yes	No	
Main Street	V				V	
Grand Ave.	/				V	
OCF road Metr.Pks-Peninsula	1				V	
wicu.i ks-reiiiisula	V				V	No AcTIVITY

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013-0106 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

1.119	
Misc. notes: 190 RDERED PARTS TO	MAKE GAMO AVE. GATE
MUTOMATIC (ENTRY / EXIT	SWING GATES. UTILIZING
PARTS FROM OUD SWING GATE.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Air Monitoring:

XII IVIU	MILUI	mg.				
Day of	Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY	Air Monitoring Notes
Sun	6	Ø	1	Ø	Ø	NO RA ACTIVITY
Mon	7	3		Ø	Ø	GRADING AREA BOWN LOT 2+3 (S. ONTERM.)
Tue	8	3	1	05	1	TRENCHING ADJACENT TO WATERWALK (2B)
Wed	9	3	1	Ø	Ø	STORM DRAIN TRENCH BTWN 2B HUNTERWALK
Thu	10	3	1	Ø	1	11 11 11 11
Fri	11	3	1	\$	1	10 10 10 10
Sat	12	Ø	1	Ø	Ø	No RA ACTIVITY

WEATHER:

Daniel	C XX/1					Sum	mary o	of Weather Conditions
Day of	Week	TEMPER.	HIGH		VIND (MPH) AVERAGE	ND (MPH)		OTHER
Sun	6	38	46	55E	2	8	.17	
Mon	7	41	5%	55 E	4	22	.11	OVERCAST
Tue	8	42	53	SE	4	20	.32	FOG
Wed	9	34	5×	SE	4	21	.78	OVERCAST
Thu	10	33	42	SSE	1	9	.84	OVERCAST / HAZE
Fri	11	26	400	ESE	1	Ь		MOSTLY CLEAR
Sat	12	24	4/	ENE	ı	6	,01) COLAIT

I certify that this report is t	rue, accurate and complete,	to the best of my knowledge and belief.
INSPECTOR: DATE:	1/14/13	SIGNED:
H&S OFFICER: DATE:	1/14/13	SIGNED:



STACK HILL

Weekly Site Inspection Report No. SH 2013- Ø1Ø6

Week of: 64106 - 8/110, 2013 Inspector: Harry Slaughter Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CON	VERANDIT	ION	REP	ED AIR?	COMMENTS/OBSERVATIONS
Streets:	Good	Fair	Poor	Yes	No No	
Villard St. Court St.	1				-/	
Commercial St.	V					
Baltimore St.	V,				1	
49 th St.	V				1/	
Tract A (private) Lot #18 (private)	V				1/	
View Point:	Good	Fair	Poor	Yes	No	
Parking Pad	1/	/ 4	1 001	100		
Gravel Path	V	/				
Display Boards	V					
Storm Drains Clean: Catch Basins	Good	Fair	Poor	Yes	No	
BMPs:	Good	Fair	Poor	Yes	No	
Hydroseed	1/	/ uii	1 001	/	1	
(Other)	V				0	
Sidewalks:	Good	Fair	Poor	Yes	No	
Damage	V				i	
Weeds	2					
Signage: Perimeter "Advisory"	Good	Fair	Poor	Yes	No	
No Trespass (Tunnel Hillside)	1	/			1/	
Dust:	Good	Fair	Poor	Yes	No	/
Excavation Areas	V				V	
Fencing:	Good	Fair	Poor	Yes	No	
4' Site Perimeter	V				V	
6' Temp. Panels	Good	Fair	Desir	V		
Street Lights: Condition	Good	Fair	Poor	Yes	No	
Site Markers:	Good	Fair	Poor	Yes	No	
Lot Numbers		1	-			#30 Post is down; Villard St
Utilities	/					VIII.(3)
Survey Stakes		V				
Retaining Walls: Baltimore	Good	Fair	Poor	Yes	No	
Lots 22/23/24	/				6	

STACK HILL - Weekly Site Inspection Report No. Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:		
	8	

rtify that this	report is true, accurate and comple	te, to the best of my knowledge and belief.
SPECTOR:	DATE: 01/ N / 2013	SIGNED: Harry & Slarg
&S OFFICER	: DATE: <u>Ø1/14 / 12</u>	SIGNED:





Weekly Site Inspection Report No. STR 2013- Ø1 Ø6

Week of: 01 166 - 61111 , 2013 Inspector: Harry Saugister

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CO	VERANDIT	AL ION	NE REP	EED AIR?	COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands	Good V	Fair	Poor	Yes	No V	
Barricades Signage: Trespass	Good V	Fair	Poor	Yes	No	
Advisory Traffic Marketing	1				V V	
Street Lights: Ruston Way 51 st Street Baltimore Yacht Club Junction Boxes	Good	Fair	Poor	Yes	No /	
Storm Drains: Curb/Gutter CBs Filterras	Good	Fair	Poor	Yes	No V	
Sidewalks: Paint Crossings Bollards	Good	Fair	Poor	Yes	No V	
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good	Fair	Poor	Yes	No /	
Roundabouts: Grand Yacht Club	Good	Fair	Poor	Yes	No/	
Features: Wall/Rail Development Sign	Good	Fair	Poor	Yes	No V	

STREETS - Weekly Site Inspection Report No.

STR 2013- \$156

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Catan	0 1	T			_	ı
Gates:	Good	Fair	Poor	Yes	No	
Cooling Pond – West	"				V	
Cooling Pond – North	-				V	
Lot #12	0				1	
Lot #10 – West	V				V	
Lot #10 – North	V				V,	
BNSF – A	V				V	
OSW02	V				1	
Grand – East	/	,			V	
Grand – West	V				1	
Cascade	V	,				
Yacht Club - North	V				0,	
Yacht Club - South	V				V	
Other:	Good	Fair	Poor	Yes	No	
Roundabouts	V				0	
Jersey Barriers	/				1	
Baltimore Bridge	/				1/	
rtify that this report is	true.	accura	ate and	l com	olete to	o the best of my knowledge and belief.
r			uiic	- comp	oroto, ii	o the best of my knowledge and belief.
PECTOR: DATE:	01	/u /	Dod	3	S	IGNED: Hany J. Slaugh
VIEWED: DATE:	Ø1	/14	113			SIGNED:



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No.	TIC 2013- Ø106
Week of: 0/106 - 0/11/2, 2013	Inspector:
Operable Unit 02 – Asarco Tacoma S	melter Site (Point Ruston)

INSPECTION AREA		VER.		CLI	EAN?	NE	ED AIR?	COMMENTS/OBSERVATIONS
Area A Geomembrane Gravel Cover	Good	Fair	Poor	Yes	No	Yes	No	
Edge Anchorage Drainage	V			L			V	
Area B Geomembrane Gravel Cover Edge Anchorage Drainage	Good	Fair	Poor	Yes	No	Yes	No	
Area C	Good	Fair	Poor	Yes	No			
Geomembrane Gravel Cover Edge Anchorage	Good	ran	Pool .	ies	No	Yes	No	
Drainage	L			L			L	Some Standong water
Area D Geomembrane Gravel Cover	Good	Fair	Poor	Yes	No	Yes	No	
Edge Anchorage Drainage	v			L			L-	some stanting water
Area E Geomembrane Gravel Cover	Good	Fair	Poor	Yes	No	Yes	No	
Edge Anchorage Drainage	~			L			V	some standing water
Area F Geomembrane	Good	Fair	Poor	Yes	No	Yes	No	
Gravel Cover Edge Anchorage	L			ν ν			ل د	
Drainage	L			L			L	water pumped to such a (1 day)
Area G Geomembrane Gravel Cover Edge Anchorage	Good	Fair	Poor	Yes	No	Yes	No	THE PARENT L () day)
Drainage	し			レ	1		V	water pumped to sump area I

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- Ø 1 Ø 6 Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

			CLE	CLEAN?			COMMENTS/OBSERVATIONS
Good	Fair	Poor	Yes	No	Yes	No	
		1					
L			-	7		L	
レ			L			1	
L			L			1	
Good	Fair	Poor	Yes	No	Yes	No	
L			L			L	
L			L			i	
L			L			L	Vecewang water from sain 6 to Sump
Good	Fair	Poor	Yes	No	Yes	No	
Ľ			V			L	
	Good Good Good Good Good	Good Fair Good Fair Good Fair	Good Fair Poor Good Fair Poor C C C C C C C C C C C C C C C C C C C	Good Fair Poor Yes Good Fair Poor Yes CL CL CL CL CL CL CL CL CL C	Good Fair Poor Yes No Good Fair Poor Yes No L L L Good Fair Poor Yes No L C C C C C C C C C C C C	Good Fair Poor Yes No Yes Good Fair Poor Yes No Yes C C C C C C C C C C C C C C C C C C C	Good Fair Poor Yes No Yes No Good Fair Poor Yes No Yes No L L L L L L L L L L Good Fair Poor Yes No Yes No Good Fair Poor Yes No Yes No C L L L L L L L Good Fair Poor Yes No Yes No

Misc. notes:	
d	·
certify that this report is	s true, accurate and complete, to the best of my knowledge and belief.
ISPECTOR: DATE:	1/14/13 SIGNED: MULL
EVIEWED: DATE:	



WATERWALK

Weekly Site Inspection Report No. WW 2013- Ø126

Week of: \$1 196 - 81 112 , 2013 Inspector: Tim Rusher

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CO	VERANDIT	ION	NEED REPAIR?		COMMENTS/OBSERVATIONS
Paths:	Good	Fair	Poor	Yes	No	
Asphalt		V		V		WILL NEED CLEANED BEFORE OPENING
Gravel	/				V	The state of the s
Signage:	Good	Fair	Poor	Yes	No	
Perimeter/Trespass	V			V		NEED 17XII"STAGE 1 ONLY
Perimeter/"No Access"	V			barr		NEED BIGGER PRINT 7
Park Rules	V				V	NEWLY INSTALLED
(Other)						
Street Lights:	Good	Fair	Poor	Yes	No	
Junction Boxes	1				V	
Poles	1				V	
Bulbs	/				/	STAGE 1 ONLY (TEMPLIGHTS)
Banners						(TEMP FIORTS)
Storm Drains:	Good	Fair	Poor	Yes	No	
Area Drains	V				V	
Clean Outs	V			V	7	SEVERAL NEED TRIMMEN + CAPPED
Octopus:	Good	Fair	Poor	Yes	No	SEVERN NEED TRIMMED + CAPPED MOVED FENCE BEHND BOLLARDS OUT OF RUSTON
Tile	V				/	WM SIDEWALK ROW.
Grout	V				V)
Paint	1				/	
Intersection #1:	Good	Fair	Poor	Yes	No	UNDER GNSTRACTION (TENTOW)
Tile						
Grout	-					•
Paint	1				V	
Intersection #2:	Good	Fair	Poor	Yes	No	UNDER CONSTRUCTION (TENTED)
Tile	- identification		an a mark of the party and the same of the	et altrametra eta handalli plena ini pidagan	China and a second	
Grout	-			Sparra and Sparra or American		
Paint	~				/	
Intersection #3:	Good	Fair	Poor	Yes	No	
Tile	1				V	RIBBONDO OFF TO PREVENTIMENT
Grout Paint	V				V	
	1				1	
Intersection #4:	Good	Fair	Poor	Yes	No	
Tile Grout						PENDING
Grout Paint						
raill						/

	-	-		The state of the s	Training to the second	
Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	V				V	
Valve Boxes	V				V	
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	1				-	
Plants	1				V	
Grass	V		+	-	V	
Bark/Mulch	V		-	-	V	
	V				V	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	V	-			V	INCOMPLETE
Tables	/				V	1
Trash Cans	1				· barren	IN PROGRESS
Gates:	Good	Fair	Poor	Yes	No	72007-63
Ferry – South		1		-/		Name Barries - 11 10
TIC – I/H		-		·		NEEDS BRACING FOR WIND
Intersection #1	1			_		PENDING
Intersection #2	/				V	
	V		,		V	
Intersection #3	V				V	
Grand Plaza						N/A
Intersection #4						UNDER COUSTRUCTION
Peninsula - North	/					0,0000 6000 1000
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights	and the last of th	The State of the S	ASSUME AND A SUPERIOR	-	on the continue of	1)112
Concrete	1				V	UNFINISHED
Rails		The state of the s	COOL SEATOR FRANCISCO	Challe front accome to	V	D
Big Toy:	Good	Fair				PENDING
Block Wall	0000	ran	Poor	Yes	No	
Sign	1				V	
	V				V	
Boardwalk/Benches			***************************************		_{мистемации}	UNDER CONSTRUCTION
Swings	V				1	The state of the s
Chips				/		CONSTRUCTION DEBRIS PRESENT
Other:	Good	Fair	Poor	Yes	No	- STONE HOLD DEDICE TREESED T
Coyotes	1				/	
Tide Pool				1	-	
				4	1	CONTAMMENT BOOM NEWS REMOVED FROM BAY
Misc. notes (use continua	tion she	et if n	ecessar	v)	1	
1				Į.	1015-	TH + MIDDLE OUTFALL STRUGTURE
NEED TO BE	DE	CUE	EV	FOR	SAF	ETY + TOPRING TAMPERING
(STE PUBLIC	- Acc	==5	5.0	51	PREM	Sur Aug Nimos Grand to to
			1		1 428 91	ENT ACLESS) NEED GRATES + FENCE
that this report is true	e, accura	te and	comple	te, to the	e best of	my knowledge and belief.
DECTOR DATE		1	/			
SPECTOR: DATE:	_1/	12/	13		SI	GNED:
		ŧ				a same
VIEWED: DATE:	1/	12/	13			SIGNED:
		1-7	9			SIGNED.



PENINSULA

Weekly Site Inspection Papart No.

	Unit	02 -	Asa			ma Smelter Site (Point Ruston)
INSPECTION AREA	CO	VERANDIT	ION	REP	EED PAIR? ECK ONE)	COMMENTS/OBSERVATIONS
ence:	Good	Fair	Poor	Yes	No	
Perimeter	V				V	
Exclusion Zone Silt	V				V	
	/				~	
urce Area:	Good,	Fair	Poor	Yes	No	
Drainage BMPs	<u> </u>				1	
Equipment	V				V	
tro Parks Materials	V				V	
	-				-	
ıl Road:	Good	Fair	Poor	Yes	No	
Road Base	V				V	
Gravel Cover	V				~	
Drainage	V				V	
tro Parks Materials	V				1	
					1	
insula Liner:	Good	Fair	Poor	Yes	No	
Geomembrane						PENDING
Gravel Cover Marker Fabric						
Drainage						
er Features:	Good	Fair	Poor	Yes		
oreline Armoring	0000	L'an	roor	res	No	
Habitat Basin	7		-		7	A. A. a
City Outfall	1				-	OLD ENETHQUAKE DAMAGE,
	Ť				~	
c. notes:						
			ite and	comp	lete, to	the best of my knowledge and belief.
y that this report is	true,	accura	ice and	I	, , ,	the best of my knowledge and belief.
	true,	accura	ice and	1		
	true,	12/	13			IGNED:
that this report is CTOR: DATE: FFICER: DATE:	_1/	12/	13 1		S	



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013-0113

Week of: 01 / 13 - 01 / 19, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CO	VER NDIT	AL ION	NI REP	EED PAIR?	COMMENTS/OBSERVATIONS
Gates: Slag Peninsula 52 nd Street 54 th Street (electric)	Good	Fair	Poor	Yes	No V	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety	Good	Fair	Poor	Yes	No V	
Security: Locks Alarms Cameras	Good	Fair	Poor	Yes	No V	
BMPs: Silt Fence Waddles	Good	Fair	Poor	Yes	No V	Rephren As Needer
Nursery: Plants Sprinkler Weeds	Good	Fair	Poor	Yes	No V	
Stockpiles: Envirotac II Plastic Packed Grass	Good	Fair	Poor	Yes	No V	
Dust: Traffic areas Excavation area	Good	Fair	Poor	Yes	No V	
Fencing: Site Perimeter Zone Separation	Good	Fair	Poor	Yes	No V	MANJENANCE ONGOING
CRZs: Area D (Other)	Good	Fair	Poor	Yes	No	NOT IN USE
Haul Roads: Main Street Grand Ave. OCF road Metr.Pks-Peninsula	Good	Fair	Poor	Yes	No V	MODELS FARRIC + CLEIN GRAVEL BORROW

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013-0113

7.51		-						na Smelter Site (Point Ruston)			
Mis	c. not	es:	-								
_				E							
Lir Mo	onito	ing:		9.							
	f Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY			Air Monitoring Notes			
Sun	13	Ø	1	Ø	Ø	No	RA	ACTIVITIES			
Mon	14	3	1	Ø	1	GRAI		T.I.C. AREA(G) AMECENTTO RUSTONE			
Tue	15	3	1	0			1	11 11 11 11 11 11			
Wed	16	3	M .	Ø	2	GRADI	NG T.1	C. AREN (G) / FABRIC-HAULROAD GRADING.			
Thu	17	3	***	\$	2	at/	1	ICHNIG T.I.C. AREA (6) /Home BORROW SOILS TO PEN.			
Fri	18	3	1	\$	Ø	GRADIS	-	E)/WARRENMELLINOR/ 2B-LINDE / CAPPING			
Sat	19	3	1	\$	6Y	WATERL		B LINER/EQUIDMENT DECONTICE			
VEAT	HER	•		Was to be a second or a second							
Day of	f Week	TEMPER	ATURE (F)		WIND (M		mmary RAIN	of Weather Conditions			
Sun	12	LOW	HIGH		ON AVER	AGE GUS	r (INCHES)	OTHER			
Mon	13	24	37	ESE		5	Ø				
Tue	14 15	25	41	55E		/	Ø	OVERCAST			
Wed	16	31	50	NE	1	19	Ø	Moorey SUNNY			
Thu	17	27	42	E	1	1 4 .81 Fog					
Fri	18	32		E	1	1 4 & AM FOG / AFTERNOON CLEARING					
Sat	19	34	11 25 JUNE ON PRECEST								
				ENE			φ	AM FOG ONERLYST			
certify that this report is true, accurate and complete, to the best of my knowledge and belief.											
INSPI	ECTC	R: DA	ATE:	-4/	19/1	3	S	IGNED:			
I&S OFFICER: DATE: 1/19/13 SIGNED:											

I



STACK HILL

Weekly Site Inspection Report No. SH 2013- Ø113

Week of: 6 13 - 9/1/9, 2013 Inspector: Harry Slaughter
Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVER CONDIT	AL TON	NE REP	EED AIR?	COMMENTS/OBSERVATIONS
Villard St. Court St. Commercial St. Baltimore St. 49 th St. Tract A (private) Lot #18 (private) View Point:	Good Fair Good Fair	Poor	Yes	No No No	
Parking Pad Gravel Path Display Boards	1			1	
Storm Drains Clean: Catch Basins	Good Fair	Poor	Yes	No	Clearled Catch Basins
BMPs: Hydroseed (Other)	Good Fair	Poor	Yes	No	
Sidewalks: Damage Weeds	Good Fair	Poor	Yes	No	
Signage: "No Accest" Perimeter "Advisory" No Trespass (Tunnel Hillside)	Good Fair	Poor	Yes	No	
Dust: Excavation Areas	Good Fair	Poor	Yes	No /	
Fencing: 4' Site Perimeter 6' Temp. Panels	Good Fair	Poor	Yes	No	May Need Replacement Soon.
Street Lights: Condition	Good Fair	Poor	Yes	No	
Site Markers: Lot Numbers Utilities Survey Stakes	Good Fair	Poor	Yes	No	LOT# 30 POST BROKEN SEVERAL MARKER POST BROKEN
Retaining Walls: Baltimore Lots 22/23/24	Good Fair	Poor	Yes	No /	

STACK HILL - Weekly Site Inspection Report No. Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:		
		_
		_
ertify that this	report is true, accurate and complete, to the best of my knowledge and belief.	
LCION.	DATE: 1-18-13 SIGNED: Jany 9. Slave	
&S OFFICER	:: DATE: 1/19/13 SIGNED:	



Weekly Site Inspection Report No. STR 2013- Ø113

Week of: 01/13 - 01/19, 2013 Inspector: Harry Shaughter Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITIO (* CHECK ONE)	NEED	? COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands Barricades	Good Fair Po	or Yes N	SEE. MISC. NOTES
Signage: Trespass Advisory Traffic Marketing	Good Fair Po	0	1 300 MISC, 190763
Street Lights: Ruston Way 51 st Street Baltimore Yacht Club Junction Boxes	Good Fair Po	Yes No	
Storm Drains: Curb/Gutter CBs Filterras	Good Fair Poo	Yes No	
Sidewalks: Paint Crossings Bollards	Good Fair Poo		
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good Fair Poo	Yes No	
Roundabouts: Grand Yacht Club	Good Fair Poo	Yes No	
Features: Wall/Rail Development Sign	Good Fair Poo	Yes No	

STREETS - Weekly Site Inspection Report No. Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	0.1/-		T				
Cooling Pond – West	Good Fai	r Poor	Yes	No /			
Cooling Pond – West Cooling Pond – North	4		_	1			
Lot #12	1/	_	-	1			
Lot #10 – West	1//		\vdash	1/			
Lot #10 – West Lot #10 – North	1	-	-	-/-			
BNSF – A	1	-		7			
OSW02	1		 	1			
Grand – East	1/		_	1			
Grand – West	1		 	1/1			
Cascade	1			Ť,			
Yacht Club – North	1			1			
Yacht Club – South				1			
ruoni Ciuo Bouni							
Other:	Good Fai	r Poor	Yes	No			
Roundabouts	1			1/			
Jersey Barriers				V			
Baltimore Bridge	/			1			
Misc. notes:							
BANNERS ON	STR	-	14.11	T 5	Were Renied The Lite		
(BXCEDT ON)	ACHT	CLUB	ROA	20	WERE REPLACED THIS WEEK		
				/			
91/17/13 (THUNGS		Uliva			Laure Daniel Art Art		
/ /	~ /	UNK	NOUL	7	BHICKS DROUE OFF ROAD NEAR		
	4-1CN21	00 1	Au	<u>Du</u>	AL TIRE TRACKS ON DIAT BOTWOOD		
) (NSTO)	w Why	4 1	SN5	FR	GHT DEWAY. DROVE OVER SIDEWALK		
AND G	1RB LE	EAUING	Mu	DON	I PINEMENT HEADEN TOWHERS RUSTON.		
	NTR	USTO!	J W	DORK	BES WERE INVOLVEN. INSPECTOR		
STEVE	Catalog and	/	1		NYESTIGATING FURTHERE.		
NoTE: DIAMO	U	BAUES	N				
	~	1	000	ATCI			
POWER POLE WAS REMOVED, MARKED W/CONES +CANTION TAME							
SINEWALK TO BE							
certify that this report is	true, acci	ırate and	d comp	olete, to	o the best of my knowledge and belief.		
NSPECTOR: DATE:	1-18-	/3		S	IGNED: Harry J. Slaugh		
EVIEWED: DATE: 1-19-13 SIGNED:							



TEMPORARY IMPERMEABLE CAP

		Insped	ction	Report No.	TIC	2013-	01	13	
(MM)	(DD)	(MM)	(DD)				The state of the s	THE RESERVE OF THE PERSON NAMED IN	101111

Week of: 1/13 - 1/19 , 2013 Inspector: TIM Rusidate Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

- 60141010				July	70 1	The same of the sa		official (Point Ruston)
INSPECTION AREA		VER VDIT	AL ION	CLI	EAN?		EED AIR?	COMMENTS/OBSERVATIONS
Area A	Good	Fair	Poor	Yes	No	Yes	No	LOT #12
Geomembrane								No T.IC.
Gravel Cover								BARE SOILS VEGETATION
Edge Anchorage								SARE JOILS VEGETATION
Drainage	V						V	
								TACKIFIER BUFFER
Area B	Good	Fair	Poor	Yes	No	Yes	No	Lot# 10
Geomembrane								No T.I.C.
Gravel Cover								770 711 4
Edge Anchorage								GRASS COUER
Drainage	1						V	(1007) (1002)
							1	TACKLE OR BUEERA
Area C	Good	Fair	Poor	Yes	No	Yes	No	TACKIFIER BUFFER LOTS#9+#11 NO T.I.C.
Geomembrane		1						V- T16
Gravel Cover								NO 1.1. C.
Edge Anchorage								D 0 W/
Drainage	/						1	BARESOILS WYEGETATION
	-							The way Roman
Area D	Good	Fair	Poor	Yes	No	Yes	No	TACKIFIER BUFFER LOT#17 + #18
Geomembrane						100	110	No 7.1.C
Gravel Cover								NO 1.1.C.
Edge Anchorage								
Drainage	V						1	BARESONS WVESTATION
								SOME GRADING OCCURBONEAR PLAZA
Area E	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane							- 1.0	No T.I.C.
Gravel Cover								198 1.1.6.
Edge Anchorage								RANT GOLD
Drainage	/						V	BARE SOILS
							-	PRE T.I.C. GRADING ON ENTIRE LOT
Area F	Good	Fair	Poor	Yes	No	Yes	No	TRE 1.1.C. GRADING UN ENTRE 167
Geomembrane	V			1		100	V	LOS
Gravel Cover	V			~			-	40 mL.
Edge Anchorage	1			/	-		V	SAND BAGS
Drainage	W			~	\neg		V	GRAVEZ
				-	$\neg \uparrow$		V	CONJECTED TO STORM DRAW
Area G	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane	V				-			
Gravel Cover	1		\dashv	V	-	124	2	INSTALLATION STARTED (75%)
Edge Anchorage	4	/	\dashv	4	-			SAND BAGS (75%)
Drainage	1	V	\dashv	V				GRAVER (STARTON 40%)
	V		\dashv	-				FLOWS FROM LINER OUTO WASTE SOILS

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- \$\phi 113\$ Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OV CON	ERA IDIT		CLE	AN?	(a) (c) (d)	ED AIR?	COMMENTS/OBSERVATIONS
Area H	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane	V			V	76	1-22, 40-14KH1111	->	50% COMPLETEN (HEERS FINISHED)
Sand Bag Cover	V			1		Northean Anna Contraction		50% COMPLETED 11
Edge Anchorage	/			V		project operation.	>	11
Drainage	/			5%	50	· market on State	->	WASTESOIL DRAWS TO SUMP LUDEDENDANT
								OF LINES DRAIN. (NEED FINISIMO)
Area I	Good	Fair	Poor	Yes	No	Yes	No	WILL FINISH AFTER AREA G+H,
Geomembrane	V			V		,	>	75% COMPLETERS (NEWSTRUSHED)
Sand Bag Cover	V			/		,	-	75 %
Edge Anchorage	~			V		-	-	11),
Drainage	V			V75	25		->	SAME AS AREA (H) ABOUF.
Area J	Good	Fair	Poor	Yes	No	Yes	No	DENDING WORK IN MMZ.
Geomembrane								No Tile
Gravel Cover								BARE CLEAN SOILS
Edge Anchorage	,							
Drainage	V			V			~	AREA DRAINS TO SUMD
								11/20

		111/2	R -101/05 10 00Mp							
Misc. notes:										
certify that this report is	s true, accurate and co	omplete, to the best of m	ny knowledge and belief.							
SPECTOR: DATE:	1/19/13	SIGNED:	B. J. C.							
EVIEWED: DATE:	1/19/13	SIGNED:								
	, ,									



WATERWALK

Weekly Site Inspection Report No. WW 2013- Ø113

Week of: 1/13 - 1/19, 2013 Inspector: TIM RUSHER

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston) **OVERAL** NEED INSPECTION AREA COMMENTS/OBSERVATIONS CONDITION REPAIR? (✓ CHECK ONE) (✓ CHECK ONE) Paths: Fair Asphalt Gravel Signage: No **Trespass** Advisory READABILITY (Other) **Street Lights:** Good Fair Junction Boxes Poles Bulbs FIXTURES NEED NOTHLED Banners **Storm Drains:** Good Fair Poor Area Drains 1 Clean Outs Octopus: Good Fair Poor COMPLETED Tile Grout **Paint** Intersection #1: Good No Tile DAMAGED TILE Grout **Paint** Intersection #2: Good Poor No ENTED Tile Grout PROGRESS Paint Intersection #3: Good Fair Poor Tile Grout **Paint** Intersection #4: Poor RECESSEN CONCRETE COMPLETED Tile PENDING Grout 1 3 **Paint** Sprinkler: Good Fair Yes No Heads V Valve Boxes

STREETS - Weekly Site Inspection Report No.

WW 2013- Ø1/3

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Landscaping:	Good	Fair	Poor	Yes	No	
Trees	V				V	
Plants	V			V		SMALLER PLANTS ARE BENJ & Upropred By ANNA
Sprinkler	/				V	OMMERCEN CALL TO HIER DEVA & OTHER DATE OF THEM
Bark/Mulch	/				V	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	V				V	INSTALLATION IN PROGRESS
Tables	V				V	NEAR COUNTRY
Trash Cans	V				V	NEAR COMPLETION COMPLETED
Gates:	Good	Fair	Poor	Yes	No	-0/4/26/61
Ferry - South	V			/		Most Bracials Foolship Same
TIC - I/H				Ť	,	NEED BRACING FOR WIND SUPPORT. PENDING
Intersection #1	/				/	TENDING
Intersection #2	1				/	
Intersection #3	1				/	
Grand Plaza					-	PENDING
Intersection #4	/				V	I ENDING
Peninsula - North						PENDING
Grand Plaza:	Good	Fair	Poor	Yes	No	10/40/009
Lights						PENDING
Concrete	1				~	
Rails						FENCE ON TOD
Big Toy:	Good	Fair	Poor	Yes	No	78266 02 102
Block Wall	V				V	
Swings	/				/	
Chips	V			/		SEE MISC NOTES.
Other:	Good	Fair	Poor	Yes	No	DOE WILLY MOLED.
Coyotes	V				V	MISSING ONE THE
Tide Pool	/				V	THE INC

Misc. notes: B	DARID WAL	K AND	BENCHE	5 CONSTRU	TEN RETUI	BEN BIETON	1 A A
ASPHANT.	Some C	ONSTRUC	TION D	PORIS NO	DO TO BE C	LEWED PE	OM
CHIPSO							
, c		**					
					44-24-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		

I certify that this report is true,	accurate and complete,	to the best of my	knowledge and belief.
-------------------------------------	------------------------	-------------------	-----------------------

INSPECTOR: DATE:	1/19/13	SIGNED:	
REVIEWED: DATE:	1/19/13	SIGNED:	



PENINSULA

(MM) (DI	וס	V	Veek	ly Si	te Ins	spection Report No. PEN 2013- Ø1/3					
Week of: / / /	3 -	1	19	, 20	13	Inspector: Tim Rusher					
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)											
INSPECTION AREA	CO	VERANDIT	ION	REP	EED AIR?	COMMENTS/OBSERVATIONS					
Fence: Perimeter Exclusion Zone Silt	Good V	Fair	Poor	Yes	No V	MANDENANCE + REPAIRS DONNE AS					
Source Area: Drainage BMPs Equipment Metro Parks Materials	Good	Fair	Poor	Yes	No No	Pumper To Sump ON POINT RUSTON					
Haul Road: Road Base Gravel Cover Drainage Metro Parks Materials	Good	Fair	Poor	Yes	No V	SEE MISC. NOTES					
Peninsula Liner: Geomembrane Gravel Cover Marker Fabric Drainage	Good	Fair	Poor	Yes	No	PENDING					
Other Features: Shoreline Armoring Habitat Basin City Outfall	Good V	Fair	Poor	Yes	No V	SEE. MISC NOTES					
EPA, CHAMH	166	Me	TROP	ARKS	Con	DEFABRIC + COMMON BORROWTO SSIDERING OPPONS TO REPARR 2004 NISONALLI EVENIT					

I certify that this report is true, accurate and complete, to the best of my knowledge and belief. INSPECTOR: DATE:

H&S OFFICER: DATE: SIGNED:



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013- Ø/20

Week of: 91 /26 - 01/26, 2013 Inspector: TIM RUSHER

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CO	VER NDIT	AL TION	NI REI	EED PAIR?	COMMENTS/OBSERVATIONS
Gates: Slag Peninsula 52 nd Street 54 th Street (electric)	Good	Fair	Poor	Yes	No V	(See "Streets" Report for additional gates)
Signage: Gates Perimeter Safety	Good	Fair	Poor	Yes	No	
Security: Locks Alarms Cameras	Good	Fair	Poor	Yes	No V	
BMPs: Silt Fence Waddles	Good	Fair	Poor	Yes	No V	
Nursery: Plants Sprinkler Weeds	Good	Fair	Poor	Yes	No V	
Stockpiles: Envirotac II Plastic Packed Grass	Good	Fair	Poor	Yes	No	
Dust: Traffic areas Excavation area	Good	Fair	Poor	Yes	No	
Fencing: Site Perimeter Zone Separation	Good	Fair	Poor	Yes	No	ONGOING REPARS/GIANGED
CRZs: Area D (Other)	Good	Fair	Poor	Yes	No	NOT IN USE
Haul Roads: Main Street Grand Ave. OCF road Metr.Pks-Peninsula	Good	Fair	Poor	Yes	No V	

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- ジナスタ Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

		•							
Mis	c. not	es:							
-									
\vdash									
ir Mo		THE RESERVE					No.		
Day o	f Week	Hi-Vol QTY	Real Time	Personal QTY	Portable QTY				Air Monitoring Notes
Sun	2,95	Ø	1	Ø	Ø	1	VOR.	AA	CTIVITY,
Mon	21	3	١	Ø	1	M.	P. BOR	ROW	ARRA UTUNITARIA 2B/COURT LINE 2B
Tue	22	3	1	Ø	1	Mi	P. BOD	Anus A	AREA (2B-UTLING TRENCH-LINER COURT TICH)
Wed	23	3	. 1	6	VOID	M		ROW	
Thu	24	3	1	Ø	Ø			TIC (
Fri	25	3	i	Ø	0		JER 2		H)/COUERLINER 2B-E/GRADING 2A DRIVE
Sat	26	Ø		0	18	h1		/ A	
VEAT	- All the second				P	10	6 K	H HZ	=TUTY
		i –					Sum	mary (of Weather Conditions
Day of	f Week	TEMPER.	HIGH	DIRECTIO	WIND (N	APH)	GUST	RAIN (INCHES)	
Sun	26	33	39	ENE			Ь	Ø	
Mon	21	31	37	ESE			6	Ø	FOG
Tue	22	31	38	ENE			6	Ø	
Wed	23	37	42	SE	2		18		Hemy Fog
Thu	24	/	45				13	.18	FOG
Fri	25	39		55E			1	.15	FOG
Sat	26	37	55 49	55E		`	9	.04	Petry Crousy
	200000	- /	. ,	SE			12	.44	
certify	that	this rep	ort is t	true, ac	curate	and	compl	ete, to	the best of my knowledge and belief.
INSPI	ECTO	R: DA	ATE:	1/2	16/	13		S	IGNED:
[&S ()	FFIC	ER: D	ATE:	1/2	6/1	3		S	IGNED:



STACK HILL

Weekly Site Inspection Report No. SH 2013- 6126

Week of: 01 120 - 01 126, 2013 Inspector: Harry Stand Her Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

OVERAL NEED **INSPECTION** CONDITION **COMMENTS/OBSERVATIONS** REPAIR? AREA (✓ CHECK ONE) See misc. Notes Good Fair Poor Yes Streets: Villard St. Court St. Commercial St. Baltimore St. 49th St. Tract A (private) Lot #18 (private) **View Point:** Poor Yes No Parking Pad Gravel Path Display Boards V Storm Drains Clean: Good Fair Poor No Catch Basins BMPs: Good Fair Poor Yes No Hydroseed 1 (Other) Sidewalks: Poor Good Fair Yes No Damage Weeds Good Fair Poor Signage: Perimeter "Advisory" No Trespass (Tunnel Hillside) **Dust:** Good Fair Poor No **Excavation Areas** Fencing: Good Fair Poor No See Misc. Notes 4' Site Perimeter 6' Temp. Panels Street Lights: Good Fair Poor Yes No Condition C Site Markers: Good Fair Poor Yes See Misc. Notes Lot Numbers was Utilities Survey Stakes **Retaining Walls:** Good Fair Poor Yes No Baltimore Lots 22/23/24

STACK HILL - Weekly Site Inspection Report No. Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:
Over all Stack Hill (SH) looks good; the light post is strongen at lott 10. The safety fence Nords to be replace at Baltimere; lot Marker # 8.80 is down). Reset barricales can Baltimere.
ertify that this report is true, accurate and complete, to the best of my knowledge and belief.
ISPECTOR: DATE: 1-25-2013 SIGNED: Havy O. Shown
&S OFFICER: DATE: 1/28/13 SIGNED:





Weekly Site Inspection Report No. STR 2013- グルスタ

Week of: 01 126 - 126, 2013 Inspector: South Sou

INSPECTION AREA	OVERA CONDIT	AL ION	NE REP	EED AIR?	COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands Barricades	Good Fair	Poor	Yes	No /	
Signage: Trespass Advisory Traffic Marketing	Good Fair	Poor	Yes	No V	
Street Lights: Ruston Way 51 st Street Baltimore Yacht Club Junction Boxes	Good Fair	Poor	Yes	No i	
Storm Drains: Curb/Gutter CBs Filterras	Good Fair	Poor	Yes	No V	Cleaned Catch basins
Sidewalks: Paint Crossings Bollards	Good Fair	Poor	Yes	No C	
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good Fair	Poor	Yes	No V	
Roundabouts: Grand Yacht Club	Good Fair	Poor	Yes	No	
Features: Wall/Rail Development Sign	Good Fair	Poor	Yes	No	

STREETS - Weekly Site Inspection Report No. STR 2013- 8/26 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:			1 -			
	Good	Fair	Poor	Yes	No	See Misc. Wes
Cooling Pond – West	V				1	
Cooling Pond – North Lot #12	"/	-			1	
Lot #12 Lot #10 – West	V				1	
	/					
Lot #10 – North	V				1	
BNSF – A	1/				0/	
OSW02	1				1/	
Grand – East	1				V	
Grand – West	/	/			V	
Cascade	1				VA	
Yacht Club - North	1/				V	
Yacht Club - South				1	V	
Other:	Good	Fair	Poor	Yes	No	
Roundabouts	/				die.	
Jersey Barriers	1				1	
Baltimore Bridge	1					
Prentit Union	0	ets	Ru	Ster	o hi	Day fence line sin good condition.
					3	
ertify that this report is	true,	accura	ate and	l comp	olete, to	the best of my knowledge and belief.
SPECTOR: DATE:	1-2		2013			IGNED: Hany & Staughte
VIEWED: DATE:		1	7			



TEMPORARY IMPERMEABLE CAP

We	ekly	Site	Inspe	ection	Report No	TIC 2013- Ø / 2Ø
Week of:		120	- "	126	, 2013	Inspector: PATWILBER
Oper	able	Unit	02 - /	Asarc	o Tacoma S	Smelter Site (Point Ruston)

	-	VED	A.T.	T	0 1			Smelter Site (Point Ruston)
INSPECTION AREA	COI	OVERAL CLEAN? NEED COMMENTS/OBSERVA		COMMENTS/OBSERVATIONS				
Area A Geomembrane	Good	Fair	Poor	Yes	No	Yes	No	NO TIC
Gravel Cover	<u> </u>	-					-	1
Edge Anchorage	_	-		_				15 pre Soils & vegesarion
Drainage	U			1	-		11	,
							1	Tocofue Buffer
Area B	Good	Fair	Poor	Yes	No	Yes	No	NO TIC
Geomembrane								, , , , , , , , , , , , , , , , , , ,
Gravel Cover Edge Anchorage	_							BARE Soils + vegetation
Drainage Drainage	<u> </u>	_		-			·	<u> </u>
								Jacofreka along Rushway
Area C	Good	Fair	Poor	Yes	No	Yes	No	NO tic
Geomembrane Gravel Cover								
Edge Anchorage								Bare Souls & vegetatoon
Drainage	1			V			V	
					-1			tacifie @ Residen way
Area D	Good	Fair	Poor	Yes	No	Yes	No	No tic
Geomembrane Gravel Cover								
Edge Anchorage								Bare soils + ugesdion
Drainage		-			\dashv		2	,
								Grading Communes at Grand
Area E Geomembrane	Good	Fair	Poor	Yes	No	Yes	No	No tic
Gravel Cover					-			
Edge Anchorage					\dashv			GARE SOIL - Grading phep
Drainage	~			<u>i</u>			V	for tic
Area F	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane Gavid Colory 9 S	レ		-	~	\dashv		V	40 mil
Edge Anchorage	_		-	V	\dashv		2	sand Bogs
Drainage	4		-	1		-	L	qual "
								drain pipe scence
Area G	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane Gravel Cover	L							SAND bags - 80% covered
Edge Anchorage	ν.		_		\dashv			SAND bags - 80% covered
Drainage Drainage	- in-	V	-	+	\dashv			MAIN ST SIDE STAMEN 5090
	-	-	\dashv	-	\dashv		-	Avains to S.

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- ∅ / 沒∅ Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OV CON	ERA IDIT		CLE	AN?		ED AIR?	COMMENTS/OBSERVATIONS
Area H	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane	C-	·		-			-	40 mil portial eaver 50 %
Sand Bag Cover	1			1			1	onen edge Nend, 5090 sand bags
Edge Anchorage	b			-			- "	50% completed
Drainage	~	-		50	50			waste soil dragus to sungs area I
Area I	Good	Fair	Poor	Yes	No	Yes	No	
Geomembrane				-				40 hm. I in progress 75% layre
Sand Bag Cover	-			-			-	759completed
Edge Anchorage	-			-			-	75 geomyleted
Drainage	-			-			i.e	DRSIN) to Sungo
								,
Area J	Good	Fair	Poor	Yes	No	Yes	No	NO TIC / HAU Road active
Geomembrane	10							to PPBA
Gravel Cover								BARE SOIL
Edge Anchorage								
Drainage	6			*			V	Some 30, 1 stock siled @ 5 and

Misc. notes:			
	-		

I certify that this report is	s true, accurate and comp	plete, to the best of my knowledge and belief.	
INSPECTOR: DATE:	1/25/13	SIGNED: Solling	
REVIEWED: DATE:	1/28/13	SIGNED:	



WATERWALK

Weekly Site Inspection Report No. WW 2013- 6126

Week of: 4/124 - 6/126, 2013 Inspector: Tim Rusher

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (\(\text{CHECK ONE} \)			NE.	AIR?	COMMENTS/OBSERVATIONS		
Paths:	Good	Fair	Poor	Yes	No			
Asphalt	V			V		WILL NEED CLEANER BEFORE OPENING		
Gravel	V				V			
Signage:	Good	Fair	Poor	Yes	No			
Perimeter/Trespass	V		- 1			STAGE 1 ONLY		
Perimeter/"No Access"	1							
Park Rules								
(Other)								
Street Lights:	Good	Fair	Poor	Yes	No			
Junction Boxes	V				V,			
Poles	V				V			
Bulbs	1				V	STAGE I ONLY		
Banners			-	AND DESCRIPTION OF THE PERSON	Statement of State			
Storm Drains:	Good	Fair	Poor	Yes	No			
Area Drains	1			/	V			
Clean Outs	/			1		NEED TRIMMEN ONT (IN PROGRESS)		
Octopus:	Good	Fair	Poor	Yes	No			
Tile	V				V			
Grout	V				V			
Paint	V				V			
Intersection #1:	Good	Fair	Poor	Yes	No	UNDER CONSTRUCTION (TENTED)		
Tile	pa at the female and	- CONTRACTOR OF THE PARTY OF TH		CONTRACTOR OF THE PARTY OF THE	ale and a control of			
Grout	-	DE STATE OF THE PERSON NAMED IN COLUMN NAMED I	Commonweal of the	Company of the last of the las	and the second second			
Paint	V		A III		V			
Intersection #2:	Good	Fair	Poor	Yes	No	UNDER CONSTRUCTION (TENTER)		
Tile				-	on -una security			
Grout	-	THE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO	A STATE OF THE PROPERTY OF THE					
Paint	V				V			
Intersection #3:	Good	Fair	Poor	Yes	No			
Tile	V				V			
Grout	V	4			1			
Paint	V				V			
Intersection #4:	Good	Fair	Poor	Yes	No			
Tile	· production (Const.)	NAME AND POST OFFICE AND POST OF	PROPERTY OF STREET	AND PERSON NAMED	THE SECURE NAMED IN	PENDING		
Grout	_	on orangement	AND ME PROCESSOR AND		actions made			
Paint								

WATERWALK - Weekly Site Inspection Report No. WW 2013- 少しなの Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	V			1	/	SOME FYROSED ALONG EDGE OF LINGTE EXCHANGO
Valve Boxes	V				/	
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	V				V	
Plants	V				V	
Grass	V,				V	
Bark/Mulch	V				1	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	/			V		IN PROGRESS
Tables	/				V	
Trash Cans	1				6	
Gates:	Good	Fair	Poor	Yes	No	
Ferry – South		/		/		NEED WIND BRAGING PENDING
TIC – I/H	CONTRACTOR OF THE PARTY OF THE	TO SECURITION OF THE SECURITIO	Anger a transcription in the second	indicate partners as a section	a commence and the	PENDING
Intersection #1	1				1	
Intersection #2	1				V	
Intersection #3			V	V		REMOVED - HEENS TO BE RELIGION
Grand Plaza	Entrances	andrew of the safe	Terrando Corquito		C LORONINE MANAGEMENT	REMOVED - HEEDS TO BE RELACTATION PENDING?
Intersection #4	V				1	
Peninsula - North	1				V	
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights						UNFINISHED
Concrete	V				V	
Rails						UNFINISHED
Big Toy:	Good	Fair	Poor	Yes	No	
Block Wall	V				V	
Sign	V				1	21050
Boardwalk/Benches			111		V	
Swings	V				1	
Chips	V				V	
Other:	Good	Fair	Poor	Yes	No	
Coyotes	1				1	THE REPARED ON #2
Tide Pool	/				1	111111111111111111111111111111111111111
			-	A	WEST STREET, S	

Misc. notes (us	e continu	ation sheet	if necessary)	: FENCE	BETWEEN	INTERSECTION 2 + 3
Removed	FOR	LINER	PREP	BETWEEN	W.W. +	AB.
			1			

I certify that this report is true, accurate and	complete, to the best of my knowledge and belief.
--	---

INSPECTOR: DATE:	1/26/13	SIGNED:	
REVIEWED: DATE:	1/26/13	SIGNED:	_



PENINSULA

Weekly Site Inspection Report No. PEN 2013- 8/200 Week of: 41/24-91/26, 2013 Inspector: Tim Rushier Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston) NEED **OVERAL** INSPECTION **COMMENTS/OBSERVATIONS** REPAIR? CONDITION AREA (CHECK ONE) Fair No Fence: Perimeter **Exclusion Zone** V Silt V Good Fair Poor No Source Area: 1 Drainage **BMPs** Equipment Metro Parks Materials Haul Road: Good Fair Poor No 1 Road Base **Gravel Cover** Drainage Metro Parks Materials Peninsula Liner: No PENDING Geomembrane Gravel Cover Marker Fabric Drainage Other Features: Good Fair No Shoreline Armoring Habitat Basin 2004 ENRTHQUALE DAMAGE City Outfall Misc. notes: I certify that this report is true, accurate and complete, to the best of my knowledge and belief. INSPECTOR: DATE: 1/24/13 SIGNED: SIGNED:



GENERAL SITE

Weekly Site Inspection Report No. GEN 2013- ダ/スフ

Week of: \$1 /27 - \$2 102 , 2013 Inspector: TIM RUSHER

Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION (\(\text{ CHECK ONE} \)			NE REP.	AIR?	COMMENTS/OBSERVATIONS		
Gates:	Good	Fair	Poor	Yes	No	(See "Streets" Report for additional gates)		
Slag Peninsula 52 nd Street	V				V			
	1				V			
54 th Street (electric)	V				V			
Signage:	Good	Fair	Poor	Yes	No			
Gates Perimeter	V				V			
Safety					V			
	Good	Fair	Poor	Yes	No			
Security: Locks	7	i ali	1 001	103	V			
Alarms	V				V			
Cameras		/			V			
BMPs:	Good	Fair	Poor	Yes	No			
Silt Fence	V				1			
Waddles	V				~			
Nursery:	Good	Fair	Poor	Yes	No			
Plants	V				V			
Sprinkler	/				V			
Weeds		V			V			
Stockpiles:	Good	Fair	Poor	Yes	No,			
Envirotac II	V				V			
Plastic Packed	1				V			
Grass	V	/			V			
	Good	Fair	Poor	Yes	No			
Dust: Traffic areas	V	1 all	1 001	103	V			
Excavation area	1				-			
Fencing:	Good	Fair	Poor	Yes	No			
Site Perimeter	V	1	1		1			
Zone Separation	V							
CRZs:	Good	Fair	Poor	Yes	No			
Area D	1				V	NOT IN USE		
(Other)								
Haul Roads:	Good	Fair	Poor	Yes	No			
Main Street	V				V			
Grand Ave.	V			1_	V			
OCF road	V	-		-	V			
Metr.Pks-Peninsula	V				6	No Acousty		

GENERAL SITE - Weekly Site Inspection Report No. GEN 2013- Ø/27 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

	- 2000-2000											
Misc	. note	es:										
							-					
									·			
			1	- 1					*			
	-											
	•.											
Day of	nitor Week	Hi-Vol	Real	Personal	Portable	_			Air Monitoring Notes			
Sun	27	QTY Ø	Time	QTY	QTY Ø	A)	5	Α)				
Mon	28	3		8	08	IX			CTIVITY (15T LIFT)/28-L			
Tue	29	3	Alban	Ø	00				RESOLUS IN MMZ/PAVING 2A DRIVERDAY/LINER			
Wed	30	3		Ø	0				- 20 act / 1			
Thu	31	3	1	8	Ø	210	SEN-O	WER-	/			
Fri	2/	3	,	Ø	8	M.	V					
Sat	2	0)		0%	05	P.	VHOLE	1 N	1200 / MINIMAC DIRT WORK			
ÆAT.	HER				P	1.41	alviv or	AURN	remark (4 MET)			
		•					Sumi	nary o	of Weather Conditions			
Day of	week	LOW	HIGH	DIRECTION	WIND (I		GUST	RAIN (INCHES)	OTHER			
Sun	27	39	42	556	3	3	parameter (0	OVERCAST			
Mon	28	39	43	55E	: 3	5	13	.46	OVERCAST			
Tue	29	43	49	SE		2	11	.08	OVERCAST			
Wed	30	46	5Ø	SSE		3	11	.\$5				
Thu	31	45	51	SSE		2	16	.48	Mostly Gouly			
Fri	FEE.	43	54	E		1 9 . \$2 Mostly Clondy						
Sat	入	38	44	E			8	Ø	OVER-CAST			
certify	that	this rej	port is	true, ac	curate	and	d compl	ete, to	the best of my knowledge and belief.			
INSP	ECTO	R: D	ATE:	2	121	1,=	3	S	IGNED:			
				- /	$\frac{1}{1}$							
l&S C)FFIC	ER: I	DATE:	_2/	12/	13		S	IGNED:			



STACK HILL

Weekly Site Inspection Report No. SH 2013- Ø12つ

Week of: 137 - 12/02, 2013 Inspector: Harry Slaughter
Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVER. CONDIT	AL ION	NE REP	EED AIR?	COMMENTS/OBSERVATIONS
Streets: Villard St. Court St. Commercial St. Baltimore St. 49 th St. Tract A (private) Lot #18 (private)	Good Fair	Poor	Yes	No /	
View Point: Parking Pad Gravel Path Display Boards	Good Fair	Poor	Yes	No.	
Storm Drains Clean: Catch Basins	Good Fair	Poor	Yes	No i	hemoved debris
BMPs: Hydroseed (Other)	Good Fair	Poor	Yes	No	
Sidewalks: Damage Weeds	Good Fair	Poor	Yes	No	
Signage: Perimeter "Advisory" No Trespass (Tunnel Hillside)	Good Fair	Poor	Yes	No	
Dust: Excavation Areas	Good Fair	Poor	Yes	No	
Fencing: 4' Site Perimeter 6' Temp. Panels	Good Fair	Poor	Yes	No	Remove Story ferre
Street Lights: Condition	Good Fair	Poor	Yes	No	
Site Markers: Lot Numbers Utilities Survey Stakes	Good Fair	Poor	Yes	No substitution of the sub	Post is dawn that # 30
Retaining Walls: Baltimore Lots 22/23/24	Good Fair	Poor	Yes	No	

STACK HILL - Weekly Site Inspection Report No. SH 2013- Ø127 Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Misc. notes:	
Theo lim	who are stack Hill- Fearer lines
Several 1	its on stack Hill-fence line
tify that this	report is true, accurate and complete, to the best of my knowledge and belief.
SPECTOR:	DATE: 01-02-203 SIGNED: Lawy Ster
	DATE: $\frac{\sqrt{2}}{\sqrt{3}}$ SIGNED:



Weekly Site Inspection Report No. STR 2013- Ø127

Week of: 127 - 02/92, 2013 Inspector: Harry Shughter
Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERA CONDIT	ION	REP	EED AIR? CK ONE)	COMMENTS/OBSERVATIONS
Streets: Surface Paint Splitter Islands Barricades	Good Fair	Poor	Yes	No V	
Signage: Trespass Advisory Traffic Marketing	Good Fair	Poor	Yes	No V	
Street Lights: Ruston Way 51 st Street Baltimore Yacht Club Junction Boxes	Good Fair	Poor	Yes	No V	
Storm Drains: Curb/Gutter CBs Filterras	Good Fair	Poor	Yes	No V	See Misc. Notes
Sidewalks: Paint Crossings Bollards	Good Fair	Poor	Yes	No V	
Landscaping: Trees Plants Sprinkler Bark/Mulch	Good Fair	Poor	Yes	No V	
Roundabouts: Grand Yacht Club	Good Fair	Poor	Yes	No V	
Features: Wall/Rail Development Sign	Good Fair	Poor	Yes	No.	

STREETS - Weekly Site Inspection Report No. STR 2013- Ø127

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Gates:	Good	Fair	Poor	Yes	N /	
Cooling Pond – West	/	ran	Foot	ies	No /	
Cooling Pond – North		/			1	
Lot #12	1				1//	
Lot #10 – West		·			1/	
Lot #10 – West	1	/			1/	
BNSF – A	V. /				V	
OSW02	W/				.//	
Grand – East	W/	/			1//	
Grand – West	V				1//	
Cascade	1				3//	
Yacht Club – North	VA				- 4//	
Yacht Club – North Yacht Club – South	\				$ \forall$ $-$	
1 acm Club – South	VI					
Other:	Good	Fair	Poor	Yes	N-Z	
Roundabouts	/	Lali	1 001	1 68	No	,
Jersey Barriers	1	a y			3/	
Baltimore Bridge	V				/	
Director Director			To Control of the Con		1	
		6				
			-			
ertify that this report is	true, a	ecura	ate and	l comp	olete, to	o the best of my knowledge and belief.
SPECTOR: DATE:		0.0				
SIECIOR. DATE:	01-	-00)-2	0/3	S	IGNED: flany of Slaugh



TEMPORARY IMPERMEABLE CAP

Weekly Site Inspection Report No. TIC 2013- Ø 127

Week of: Ø 1 127 - Ø 2 1 Ø 2 , 2013 Inspector: Tim Rusher

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

Operable (Green water and the	And in contrast of the last of	CONTRACTOR STATE	sarc	,0 10	The same of the sa	STREET, SQUARE, SQUARE,	melter Site (Point Ruston)	
INSPECTION AREA		VER.	AL 'ION	CLI	EAN?		ED AIR?	COMMENTS/OBSERVATIONS	
Area A Geomembrane Gravel Cover	Good	Fair	Poor	Yes	No	Yes	No	PEHDING	
Edge Anchorage Drainage	V		,	Nanagar			V		
Area B Geomembrane Gravel Cover Edge Anchorage	Good	Fair	Poor	Yes	No	Yes	No	PENDING	
Drainage Drainage	/				- PROPERTY		/		
Area C Geomembrane Gravel Cover Edge Anchorage	Good	Fair	Poor	Yes	No	Yes	No	PENDING	
Drainage	V			0,			~		
Area D Geomembrane Gravel Cover Edge Anchorage	Good	Fair	Poor	Yes	No	Yes	No	PENDING	
Drainage	V			Areamone			1		
Area E Geomembrane Gravel Cover Edge Anchorage Drainage	Good	Fair	Poor	Yes	No	Yes	No	PLACE LINER FOR ARMONITOR PUTCES COURSE FOR LINER &	
	√ 						<u> </u>		
Area F Geomembrane Gravel Cover Edge Anchorage Drainage	Good	Fair	Poor	Yes	No	Yes	No V	SAND BAGS	
Area G Geomembrane Gravel Cover Edge Anchorage Drainage	Good	Fair	Poor	Yes	No	Yes	No .	SAND BAGS	

TEMPORARY CAP - Weekly Site Inspection Report No. TIC 2013- 3/27 Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	OVERAL CONDITION			CLEAN?		NEED REPAIR?		COMMENTS/OBSERVATIONS
Area H	Good	Fair	Poor	Yes	No	Yes	No	UNFWISHED
Geomembrane	V			V		V		
Sand Bag Cover	V			V		V,		
Edge Anchorage	V			V		V		
Drainage	V			. Sample of Princes	- Carrier Const	V		
								7
Area I	Good	Fair	Poor	Yes	No	Yes	No	NUMINISHED
Geomembrane	1			V		V		The state of the s
Sand Bag Cover	V			V		V		
Edge Anchorage	1			V		V		
Drainage	V			w.parane	process.	V		
								/
Area J	Good	Fair	Poor	Yes	No	Yes	No	^
Geomembrane								PENDING
Gravel Cover								- Comment
Edge Anchorage								
Drainage								

					,
Misc. notes:					
					A.

	P				
				2	
certify that this report is	true, accurate a	nd compl	ete, to the b	est of my knowled	ge and belief.
SPECTOR: DATE:		<i>(</i>	SIGN		
EVIEWED: DATE:	2/2/1	3	SIGN	ED:	



WATERWALK

Weekly Site Inspection Report No. WW 2013- Ø 127

RUSHER
- 13

Operable Unit 02 – Asarco Tacoma Smelter Site (Point Ruston)

INSPECTION AREA	CO	VERA NDIT CHECK O	ION	REP	EED AIR?	COMMENTS/OBSERVATIONS
Paths:	Good	Fair	Poor	Yes	No	, , , , , , , , , , , , , , , , , , , ,
Asphalt Gravel	V		-	V	V	NEEDS SWEDT/VICUUMOD BUTGE ODBING
Signage:	Good	Fair	Poor	Yes	No	
Perimeter/Trespass	V	ran	1001	1 es	No	6-21-1
Perimeter/"No Access"	1				1	STAGE I ONLY
Park Rules	1				1/	
(Other)					1,	
Street Lights:	Good	Fair	Poor	Yes	No	
Junction Boxes	/				1	
Poles	V				1	
Bulbs	V				V	STAGE 1 ONLY
Banners		40) - D. A. C.			amanatampap	NA
Storm Drains:	Good	Fair	Poor	Yes	No	/-
Area Drains	V				V	
Clean Outs	1				/	
Octopus: Tile	Good	Fair	Poor	Yes	No	
Grout	1		-		V/	
Paint					/	
Intersection #1:	Good	Fair	Poor	Yes	No	man for (1876 for)
Tile		MANUTURINE PROM	Market Company	AND ADDRESS OF THE PARTY OF THE	****	TENTEN
Grout	-	Salventar reputation of the salventar salventar salventar salventar salventar salventar salventar salventar sa	ACAD SALES NA CONTRACTOR	AND CONTRACTOR OF STREET, MICHAEL SAN,	Annual served	
Paint						
Intersection #2:	Good	Fair	Poor	Yes	No	TENTED
Tile	· management			STATES AND THE STATES	-	. 670) 610
Grout	Aprilaboration	Parameter of the State of the S	gods, we seek you arrang a	Books make appearance of the special and a second		
Paint	/				V	
Intersection #3:	Good	Fair	Poor	Yes	No	
Tile	V				1	
Grout	V				V	
Paint	V				V	
Intersection #4:	Good	Fair	Poor	Yes	No	
Tile	departs of agreement of	-			DOVERNMENT PROPERTY	PENDING
Grout Paint	######################################	***************************************	The state of the s	elipenski hidse litt sin en 2000	March reposition and the second	· · · · · · · · · · · · · · · · · · ·
raint						

Sprinkler:	Good	Fair	Poor	Yes	No	
Heads	0000	Tan	1001	Tes V	NO	
Valve Boxes	1		-	V	-	SOMENDED ROPHIR ALDING 2BLINDE +W.W.
	V				V	
Landscaping:	Good	Fair	Poor	Yes	No	
Trees	V				V	
Plants	~				V	
Grass	V				V	
Bark/Mulch	V				V	
Hardware:	Good	Fair	Poor	Yes	No	
Cleat Benches	/				V.	
Tables	1				/	
Trash Cans	/				/	MAY NEED TO MAKE LOCKABLE
Gates:	Good	Fair	Poor	Yes	No	19 1000 10 1001-6 200-110-1
Ferry – South		1		1		New Winn BRAGNE
TIC – I/H	-		To had no seem to the seem to		-manus manus	MIA
Intersection #1	V				V	N//*
Intersection #2	/				/	
Intersection #3			/	1	4	REMOVED - NEEDS TO BE RELISTALLED
Grand Plaza	-	AND DESCRIPTION OF THE PARTY OF	NO AREA OF THE PERSONS ASSESSED.	-		AL/A
Intersection #4	V				V	
Peninsula - North	V				V	
Grand Plaza:	Good	Fair	Poor	Yes	No	
Lights					~	UNFINISHED
Concrete					/	0 1 10 13 11 E2
Rails					ema minimum nero	IN PROGRESS
Big Toy:	Good	Fair	Poor	Yes	No	IN TICOGRESS
Block Wall	1				1	
Sign	1					
Boardwalk/Benches	1				1	
Swings	1				1	
Chips	/				V	
Other:	Good	Fair	Poor	Yes	No	
Coyotes	/				V	
Tide Pool	/				V	
Misc. notes (use continus	ation she	et if n	200000	**/•		

Boardwalk/Benches	1				1	
Swings	W.				1	
Chips	/				V	
Other:	Good	Fair	Poor	Yes	No	
Coyotes	/				V	
Tide Pool	/				/	
I certify that this report is true INSPECTOR: DATE:		ite and $\sqrt{2}$	/	ete, to th		of my knowledge and belief. IGNED:
REVIEWED: DATE:		12,	113		s	SIGNED:
						2.



PENINSULA

Weekly Site Inspection Report No. PEN 2013- 0127 Week of: 01 127 - 02 102 , 2013 Inspector: Operable Unit 02 - Asarco Tacoma Smelter Site (Point Ruston) **OVERAL** NEED INSPECTION CONDITION **COMMENTS/OBSERVATIONS** REPAIR? AREA (CHECK ONE) (CHECK ONE) Fence: Good Fair Perimeter **Exclusion Zone** waddles in place Silt Source Area: Good Fair No Drainage **BMPs** none on site at this time Equipment Metro Parks Materials SOFT Haul Road: Good Fair Poor Yes No Road Base V **Gravel Cover** -V Drainage --Metro Parks Materials Peninsula Liner: Good Poor Yes No Geomembrane **Gravel Cover** 1110 Li nen Marker Fabric Drainage Other Features: Good Fair Shoreline Armoring K Habitat Basin 1 City Outfall Misc. notes: I certify that this report is true, accurate and complete, to the best of my knowledge and belief. INSPECTOR: DATE: 2/4//3 SIGNED: SIGNED: SIGNED:

Monthly Report 200, January 2013 Operable Unit 02 Asarco Tacoma Smelter Site

OCF LEACHATE SAMPLING

DATA

Reference	Date	Description
Analysis	11/30/12	Spectra Labs Project # 2012110615 (shipped 1/15)

SPECTRA Laboratories

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11/30/2012

Point Ruston 5219 N. Shirley St.,

Suite 100

Tacoma, WA 98407

Project:

Tacoma Smelter

Client ID:

TSM 111229

Sample Matrix: Water

Date Sampled:

11/29/2012

Date Received: 11/29/2012

Spectra Project: 2012110615

Spectra Number: 1

Analyte

Result

Units

Method

Arsenic

3.67

mg/L

EPA 200.8

SPECTA LABORATORIES

Steve Hibbs, Laboratory Manager

a6/scj

SPECTRA Laboratories

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November 30, 2012

Point Ruston

5219 N. Shirley St.

Suite 100

Tacoma, WA 98407

Units:

ug/L

Spectra Project:

2012110615

Applies to Spectra #'s

1

QUALITY CONTROL RESULTS

ICP-MS Metals - Dissolved - EPA Method 200.8 - Water

Method Blank

Date Digested:

11/30/2012

Date Analyzed:

11/30/2012

Element Arsenic

CAS# 7440-38-2 Result < 0.5

Blank Spike (LCS)

Date Digested:

11/30/2012

Element

Arsenic

Date Analyzed:

11/30/2012

Spike LCS Added 50.0

LCS

%Rec Conc. 46.36 92.7

LCS Recovery limits 85-115%

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Date Digested:

11/30/2012

Date Analyzed:

11/30/2012

Sample Spiked:

2012110509-1

MS

Conc.

47.75

MS MSD

MSD

Element Arsenic

Sample Conc. 2.47

Conc. 50.0

Spike

%Rec 90.6

Conc 47.83 %Rec RPD 90.7

0.2

Recovery Limits 70-130%

RPD Limit 20

SPECTRA LABORATORIES

Stever G. Hibbs

Laboratory Manager

2012 110 01 15



HAIN OF CUSTODY REC	CORD								P	hone: 2	53-752	-2103		,
	IPPO	JECT	NAME OCF. LEA RUSTON LLE	CHATE		AINERS							/	
AMPLERS: (Signature)						OF CONTAINERS	A	5/ }						REMARKS
DATE STA# TIM	0	GRAB	SAMPLE NU	IMBER		Ŏ.		<u> </u>		$\overline{}$		-		
1/29/12 Peachate 14:	The second second	15%	TSM 11/229				X			*				
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Relinquished (Signature) Relinquished (Signature)	/	1	Date/Time		Received b	y: (Sig	nature)		Ren	marks			
Relinquished (Signature)	HOL	K	11- 29-12 Date/Time	() 2/	Received f	or Lab	oratory	by: (S	ignatur	е)	Date/	Time		sed: Parameter List with DTLs Cover Letter
										Spli []A	it Sam ccepte	ples: d []Dec	lined	Signature

Monthly Report 200, January 2013 Operable Unit 02 Asarco Tacoma Smelter Site

PERIMETER

AIR

MONITORING

DATA

(HIGH VOLUME)

Reference	Date	Description
Hi-Vol	01/02 - 01/25	Spectra Laboratories Analysis Reports for As-Pb
Hi-Vol	01/02 - 01/25	IML Air Science (South Gate Hi-Vol only)
		Particulate Network Summary Reports for TSP-As-Pb
'		

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01/16/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (Hi-Vol)

Date Received:

01/07/2013

Spectra Project: 2013010109

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
	<u> </u>			Ome			- <u>bampied</u>
8600154	1	Arsenic	0.0061	μg/m3	SW846 6020A	Filter	12/31/2012
8600154	1	Lead	0.013	μg/m3	SW846 6020A	Filter	12/31/2012
8600153	2	Arsenic	0.0065	μg/m3	SW846 6020A	Filter	12/31/2012
8600153	2	Lead	0.013	μg/m3	SW846 6020A	Filter	12/31/2012
8600152	3	Arsenic	0.0082	μg/m3	SW846 6020A	Filter	01/02/2013
8600152	3	Lead	0.017	μg/m3	SW846 6020A	Filter	01/02/2013
8600151	4	Arsenic	0.0071	μg/m3	SW846 6020A	Filter	01/02/2013
8600151	4	Lead	0.021	μg/m3	SW846 6020A	Filter	01/02/2013
8600150	5	Arsenic	0.0031	μg/m3	SW846 6020A	Filter	01/03/2013
8600150	5	Lead	0.0088	μg/m3	SW846 6020A	Filter	01/03/2013
8600149	6	Arsenic	0.0037	μg/m3	SW846 6020A	Filter	01/03/2013
8600149	6	Lead	0.0088	μg/m3	SW846 6020A	Filter	01/03/2013
8600148	7	Arsenic	0.0072	μg/m3	SW846 6020A	Filter	01/04/2013
8600148	7	Lead	0.0072	μg/m3	SW846 6020A	Filter	01/04/2013
8600147	8	Arsenic	. 0.0075	μg/m3	SW846 6020A	Filter	01/04/2013
8600147	8	Lead	0.0072	μg/m3	SW846 6020A	Filter	01/04/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

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01/16/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (Hi-Vol)

Date Received:

01/07/2013

Spectra Project: 2013010109

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8600142	9	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	01/07/2013
8600142	9	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	01/07/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

CHAIN OF CUSTODY RECORD



PROJ. NO)		PRC	JECT	TNAME (If I-VOL)				7	/	7	7	7	/
AIRN	Novito	אונטי		ار	Pt Ruston Lic		IERS		Λ					
SAMPLER	RS: (Signatu	r <u>a)</u>	<u> </u>				Į ₹		6	/		/	/	
5	Zhi	elk		_			OF CONTAINERS			(/	/ ./	/ /	/ /	/ REMARKS
DATE	STA#	TIME	COMP	GRAB	SAMPLE NUMBER		NO. OF	/ \	*					
12/31/12	OCF VI		À		8600154			人						
	OCF-NW		1		8600153		1	X					<u> </u>	
1/2/13	04.VI		2		8600 152	 	1	X		<u></u>	<u> </u>			
1/2/13	OCF. NW		1		8600 151		1	X		<u> </u>				
13/13	04 VI		×	L	8600150			K					<u> </u>	
	66 NW		人		8600149		1	X					<u> </u>	
1/4/13			X		8660148		1	X						
	BCF-NW		X		8600147		1	X						
1/7/13	Į.		<u> </u>		8600142		l	X						
1/7/13	<u> </u>				+ HI VOLUME SAMPLER	-0G								
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	led (<i>Signatu</i>				Date/Time	Received by	: (Signi	ature)			. Rem	arks		
Relinquisi	hed (<i>Signatu</i>	ire)			Date/Time	Received for	Labor	atory b	y: (Sig	nature)	D	ate/Ti	me	Enclosed: Parameter List with DTLs Cover Letter
											Ι'	Sample		Sinad
COC Form	- 7/12				·						I JACC	epied	[]Decli	signature

Point Ruston Particulate Network Summary - TSP December 31, 2012 thru January 4, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
	Asia Propinsi Propins		grams	grams	grams	minutes	m ³	m ³	μg/m ³	μg/m³	
4115	South Gate	12/31/12	4.4076	4.4531	0.0455	1429	1880	1719	24	26	
4116	South Gate	01/02/13	4.4260	4.4924	0.0664	1435	1878	1713	35	39	
14117	South Gate	01/03/13	4.4382	4.4792	0.0410	1477	1913	1754	21	23	
14118	South Gate	01/04/13	4.4245	4.4607	0.0362	1435	1878	1752	19	21	

Point Ruston Particulate Network Summary - As and Pb December 31, 2012 thru January 4, 2013

	The second secon						
Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
		m ³	µg/Filter	μg/m³ As	μg/Filter	μg/m³ Pb	
South Gate	12/31/12	1719	6.34	0.003	12.0	0.006	
South Gate	01/02/13	1713	14.3	0.008	16.9	0.009	
South Gate	01/03/13	1754	3.66	0.002	6.13	0.003	
South Gate	01/04/13	1752	6.71	0.003	11.7	0.006	
	South Gate South Gate South Gate	South Gate 12/31/12 South Gate 01/02/13 South Gate 01/03/13	South Gate 12/31/12 1719 South Gate 01/02/13 1713 South Gate 01/03/13 1754	m³ μg/Filter South Gate 12/31/12 1719 6.34 South Gate 01/02/13 1713 14.3 South Gate 01/03/13 1754 3.66	m³ μg/Filter μg/m³ As South Gate 12/31/12 1719 6.34 0.003 South Gate 01/02/13 1713 14.3 0.008 South Gate 01/03/13 1754 3.66 0.002	m³ μg/Filter μg/m³ As μg/Filter South Gate 12/31/12 1719 6.34 0.003 12.0 South Gate 01/02/13 1713 14.3 0.008 16.9 South Gate 01/03/13 1754 3.66 0.002 6.13	m³ μg/Filter μg/m³ As μg/Filter μg/m³ Pb South Gate 12/31/12 1719 6.34 0.003 12.0 0.006 South Gate 01/02/13 1713 14.3 0.008 16.9 0.009 South Gate 01/03/13 1754 3.66 0.002 6.13 0.003

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01/23/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received: 01/14/2013

Spectra Project: 2013010271

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8600146	1	Arsenic	0.00053	μg/m3	SW846 6020A	Filter	01/07/2013
8600146	1	Lead	0.013	μg/m3	SW846 6020A	Filter	01/07/2013
8600145	2	Arsenic	0.00095	μg/m3	SW846 6020A	Filter	01/07/2013
8600145	2	Lead	0.013	μg/m3	SW846 6020A	Filter	01/07/2013
8600144	3	Arsenic	0.00045	μg/m3	SW846 6020A	Filter	01/08/2013
8600144	3	Lead	0.0017	μg/m3	SW846 6020A	Filter	01/08/2013
8600143	4	Arsenic	0.00084	μg/m3	SW846 6020A	Filter	01/08/2013
8600143	4	Lead	0.0026	μg/m3	SW846 6020A	Filter	01/08/2013
8600141	5	Arsenic	0.00079	μg/m3	SW846 6020A	Filter	01/09/2013
8600141	5	Lead	0.0021	μ g/m 3	SW846 6020A	Filter	01/09/2013
8600140	6	Arsenic	0.00094	μg/m3	SW846 6020A	Filter	01/09/2013
8600140	. 6	Lead	0.0021	μg/m3	SW846 6020A	Filter	01/09/2013
8600139	7	Arsenic	0.0011	μg/m3	SW846 6020A	Filter	01/10/2013
8600139	7	Lead	0.0068	μg/m3	SW846 6020A	Filter	01/10/2013
8600138	8	Arsenic	0.0015	μg/m3	SW846 6020A	Filter	01/10/2013
8600138	8	Lead	0.0026	μg/m3	SW846 6020A	Filter	01/10/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager

a8/scj

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01/23/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

01/14/2013

Spectra Project: 2013010271

Client ID	Spectra #	Analyte	Result	<u>Units</u>	Method	Matrix	Date Sampled
8600137	9	Arsenic	0.0079	μg/m3	SW846 6020A	Filter	01/11/2013
8600137	9	Lead	0.024	μg/m3	SW846 6020A	Filter	01/11/2013
8600136	10	Arsenic	0.0057	μg/m3	SW846 6020A	Filter	01/11/2013
8600136	10	Lead	0.011	μg/m3	SW846 6020A	Filter	01/11/2013
8600131	11	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	01/14/2013
8600131	11	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	01/14/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

Page 2 of 2

POINT RUSTON
5219 N. Shirley Street, Suite 100, Tacoma, WA 98407
Phone: 253-752-2185

Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

2013010271

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PROJ. NO)		PRO)JEC	TNAME (HI-VOL)								
AIRM	ON/16R/	NG			Pt Ruston LLC	CONTAINERS		/\					
SAMPLE		1 4				ΙŽ		100		/ /	/ /		/ /
5	MI	ulce	,	_		00	/	X		. /			REMARKS
DATE	STA#	TIME	COMP	GRAB	SAMPLE NUMBER	NO. OF		Y			/ /		
JE/7/13	OCF VI		×		9600146	1	X						
117/13	GCF NW		X		8600145	1	X						
	GCF VI		x		8600144	1	X						
118/13	GG NW		1		8600143		X						
119/13	GCF VI		×		8600 141	1	X			-			
119/13	OCF NW		×		8600140	1	X						
1/10/13	OCF VI		K		8600139	1	K						
1/10/13	OCF NW		K		8600138	1	K						
1/11/13			1		8.600137	1	X						
, ,			1		8600136		X						
1/14/13	CONTROL				8600131	1	X						
1/14/13		Egit Mari de tanun en funturi yana Patini ya	120407 :14		HI VOLUME SAMPLER LOG								
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Relinquis	hed (Signatu	re)			Date/Time Received for	Labora	atory b	y: (Sigr	nature)	Dat	te/Time	9	Enclosed:
													Parameter List with DTLs Cover Letter
E-market and the second										Split Sa			
COC Form	- 7/12									[]Accep	oted []	Declin	nedSignature

Point Ruston Particulate Network Summary - TSP January 7, 2013 thru January 11, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
			grams	grams	grams	minutes	m ³	m ³	μg/m³	μg/m³	
514119	South Gate	01/07/13	4.4283	4.4476	0.0193	1431	1924	1822	10	11	
514120	South Gate	01/08/13	4.4260	4.4327	0.0067	1436	1860	1766	4	4	
514121	South Gate	01/09/13	4.4028	4.4137	0.0109	1426	1867	1757	6	6	
514122	South Gate	01/10/13	4.4109	4.4272	0.0163	1436	1941	1796	8	9	
514123	South Gate	01/11/13	4.4089	4.4529	0.0440	1435	1919	1748	23	25	

Point Ruston Particulate Network Summary - As and Pb January 7, 2013 thru January 11, 2013

Sampler ID	Dundou																									
	ampler ID Runday		Runday	Runday	Runday	Runday	Runday	Runday	Runday	Runday	Runday	Runday	Runday	Runday	Runday	Runday	Runday	Runday	Runday	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
		m ³	μg/Filter	μg/m³ As	μg/Filter	μg/m³ Pb																				
South Gate	01/07/13	1822	<2.00	<0.001	17.7	0.009																				
South Gate	01/08/13	1766	<2.00	< 0.001	<2.00	<0.001																				
South Gate	01/09/13	1757	<2.00	<0.001	<2.00	<0.001																				
South Gate	01/10/13	1796	<2.00	<0.001	2.29	0.001																				
South Gate	01/11/13	1748	23.2	0.013	15.3	0.008																				
	South Gate South Gate South Gate	South Gate 01/08/13 South Gate 01/09/13 South Gate 01/10/13	South Gate 01/07/13 1822 South Gate 01/08/13 1766 South Gate 01/09/13 1757 South Gate 01/10/13 1796	South Gate 01/07/13 1822 <2.00 South Gate 01/08/13 1766 <2.00	South Gate 01/07/13 1822 <2.00 <0.001 South Gate 01/08/13 1766 <2.00	South Gate 01/07/13 1822 <2.00 <0.001 17.7 South Gate 01/08/13 1766 <2.00	South Gate 01/07/13 1822 <2.00 <0.001 17.7 0.009 South Gate 01/08/13 1766 <2.00																			

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01/28/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

01/21/2013

Spectra Project: 2013010395

Client ID	Spectra#	Analyte	Result	<u>Units</u>	Method	Matrix	Date Sampled
8600135	1	Arsenic	0.0048	<u>——</u> µg/m3	SW846 6020A	Filter	01/14/2013
8600135	1	Lead	0.0084	μg/m3	SW846 6020A	Filter	01/14/2013
8600134	2	Arsenic	0.0042	μg/m3	SW846 6020A	Filter	01/14/2013
8600134	2	Lead	0.0068	μg/m3	SW846 6020A	Filter	01/14/2013
8600133	3	Arsenic	0.0031	μg/m3	SW846 6020A	Filter	01/15/2013
8600133	3	Lead	0.0089	μg/m3	SW846 6020A	Filter	01/15/2013
8600132	4	Arsenic	0.0032	μg/m3	SW846 6020A	Filter	01/15/2013
8600132	4	Lead	0.011	μg/m3	SW846 6020A	Filter	01/15/2013
8600130	5	Arsenic	0.0036	μg/m3	SW846 6020A	Filter	01/16/2013
8600130	5	Lead	0.011	μg/m3	SW846 6020A	Filter	01/16/2013
8600129	6	Arsenic	0.0045	μg/m3	SW846 6020A	Filter	01/16/2013
8600129	6	Lead	0.018	μg/m3	SW846 6020A	Filter	01/16/2013
8600128	7	Arsenic	0.0042	μg/m3	SW846 6020A	Filter	01/17/2013
8600128	. 7	Lead	0.010	μg/m3	SW846 6020A	Filter	01/17/2013
8600127	8	Arsenic	0.0048	μg/m3	SW846 6020A	Filter	01/17/2013
8600127	8	Lead	0.013	μg/m3	SW846 6020A	Filter	01/17/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

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01/28/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

01/21/2013

Spectra Project: 2013010395

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8600126	9	Arsenic	0.0024	μg/m3	SW846 6020A	Filter	01/18/2013
8600126	9	Lead	0.0068	μg/m3	SW846 6020A	Filter	01/18/2013
8600125	10	Arsenic	0.0048	μg/m3	SW846 6020A	Filter	01/18/2013
8600125	10	Lead	0.0093	μg/m3	SW846 6020A	Filter	01/18/2013
8600124	11	Arsenic	0.0029	μg/m3	SW846 6020A	Filter	01/19/2013
8600124	11	Lead	0.0070	μg/m3	SW846 6020A	Filter	01/19/2013
8600123	12	Arsenic	0.0038	μg/m3	SW846 6020A	Filter	01/19/2013
8600123	12	Lead	0.0094	µg/m3	SW846 6020A	Filter	01/19/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

Page 2 of 2

Signature

CHAIN OF CUSTODY RECORD

Phone: 253-752-2185 Fax: 253-752-7083 PROJ. NO PROJECT NAME OF CONTAINERS REMARKS COMP GRAB SAMPLE NUMBER DATE STA# TIME õ 14/13/OCF-VI 人 GCT NW 8600133 OCF-VI 13 CCF-NW 8600130 OCF. VI K /16/13 BCF-NW 1/17/13 OCF VI IlITIIS OUF NW 久 117 005 11 600125 1/18/13 OCE NW 119/13 DEF VI /19/13 OCF NW HI VOLUME SAMPLER LOG. Relinquished (Signature) Date/Time Received by (Signatulia Shipped via: FedEx, UPS or Other 21/13 14:58 Air Bill # Relinquished (Signature) Fledeived by: (Signature) Date/Time Relinquished (Signature) Date/Time Received for Laboratory by: (Signature) Date/Time Enclosed: Parameter List with DTLs Cover Letter Split Samples:]Accepted []Declined_ COC Form - 7/12

Point Ruston Particulate Network Summary - TSP January 14, 2013 thru January 19, 2013

E'll - ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
Filter ID	Sampler ID	Kullday	grams	grams	grams	minutes	m ³	m ³	μg/m³	μg/m³	
=11101	Courth Coto	01/14/13	4.4104	4.4556	0.0452	1433	1916	1729	24	26	
514124	South Gate South Gate	01/15/13	4.3968	4.4441	0.0473	1435	1928	1751	25	27	
514125	South Gate	01/16/13	4.4082	4.4668	0.0586	1436	1920	1733	31	34	
514126		01/17/13	4.4215	4.4786	0.0571	1435	1929	1755	30	33	
514127	South Gate	01/17/13	4.4106	4.4445	0.0339	1435	1939	1775	17	19	
514128	South Gate	01/19/13	4.4119	4.4499	0.0380	1435	1949	1781	19	21	
514129	South Gate	01/19/13	7.7110	1,1100	2.3000						

Point Ruston
Particulate Network Summary - As and Pb
January 14, 2013 thru January 19, 2013

Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m ³	μg/Filter	μg/m³ As	μg/Filter	μg/m³ Pb	
514124	South Gate	01/14/13	1729	4.65	0.002	6.24	0.003	
514125	South Gate	01/15/13	1751	3.86	0.002	9.66	0.005	
514126	South Gate	01/16/13	1733	6.01	0.003	13.6	0.007	
514127	South Gate	01/17/13	1755	5.44	0.003	13.7	0.007	
514128	South Gate	01/18/13	1775	3.38	0.001	7.21	0.004	
514129	South Gate	01/19/13	1781	4.12	0.002	9.00	0.005	

Point Ruston Particulate Network Summary - As and Pb January 21, 2013 thru January 25, 2013

							THE RESIDENCE OF THE PARTY OF T	THE RESERVE OF THE PARTY OF THE
Filter ID	Sampler ID	Runday	Act. Volume	Arsenic	Act. Conc.	Lead	Act. Conc.	Comments
			m ³	μg/Filter	μg/m³ As	μg/Filter	μg/m³ Pb	
514130	South Gate	01/21/13	1727	4.84	0.002	16.8	0.009	
514131	South Gate	01/22/13	1757	8.14	0.004	22.4	0.012	
514132	South Gate	01/23/13	1811	<2.00	<0.001	5.03	0.002	
514133	South Gate	01/24/13	1748	4.73	0.002	8.73	0.004	
514134	South Gate	01/25/13	1745	<2.00	<0.001	3.25	0.001	

Point Ruston Particulate Network Summary - TSP January 21, 2013 thru January 25, 2013

Filter ID	Sampler ID	Runday	Tare Mass	Exposed Mass	Net Mass	Run Time	Std. Volume	Act. Volume	Std. Conc.	Act. Conc.	Comments
Tillerib	Campier is	riamouj	grams	grams	grams	minutes	m ³	m ³	μg/m³	μg/m³	
514130	South Gate	01/21/13	4.4117	4.4588	0.0471	1394	1883	1727	25	27	
514131	South Gate	01/22/13	4.4123	4.5203	0.1080	1432	1905	1757	57	61	
514132	South Gate	01/23/13	4.4013	4.4249	0.0236	1435	1939	1811	12	13	
514133	South Gate	01/24/13	4.7380	4.7649	0.0269	1427	1878	1748	14	15	
514134	South Gate	01/25/13	4.7663	4.7867	0.0204	1435	1847	1745	11	12	

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02/13/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

01/28/2013

Spectra Project: 2013010544

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8600122	1	Arsenic	0.0042	μg/m3	SW846 6020A	Filter	01/21/2013
8600122	1	Lead	0.018	μg/m3	SW846 6020A	Filter	01/21/2013
8600121	2	Arsenic	0.0052	μg/m3	SW846 6020A	Filter	01/21/2013
8600121	2	Lead	0.020	μg/m3	SW846 6020A	Filter	01/21/2013
8600120	3	Arsenic	0.0068	μg/m3	SW846 6020A	Filter	01/22/2013
8600120	3	Lead	0.023	μg/m3	SW846 6020A	Filter	01/22/2013
8600119	4	Arsenic	0.0076	μg/m3	SW846 6020A	Filter	01/22/2013
8600119	4	Lead	0.027	μg/m3	SW846 6020A	Filter	01/22/2013
8600118	5	Arsenic	0.0019	μg/m3	SW846 6020A	Filter	01/23/2013
8600118	5	Lead	0.0055	μg/m3	SW846 6020A	Filter	01/23/2013
8600117	6	Arsenic	0.0020	μg/m3	SW846 6020A	Filter	01/23/2013
8600117	6	Lead	0.0053	μ g /m3	SW846 6020A	Filter	01/23/2013
8600116	7	Arsenic	0.0048	μg/m3	SW846 6020A	Filter	01/24/2013
8600116	7	Lead	0.011	μg/m3	SW846 6020A	Filter	01/24/2013
8600115	8	Arsenic	0.0046	μg/m3	SW846 6020A	Filter	01/24/2013
8600115	8	Lead	0.010	μg/m3	SW846 6020A	Filter	01/24/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

Page 1 of 2

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02/13/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring (hi-vol)

Date Received:

01/28/2013

Spectra Project: 2013010544

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
8600114	9	Arsenic	0.0016	μg/m3	SW846 6020A	Filter	01/25/2013
8600114	9	Lead	0.0031	μg/m3	SW846 6020A	Filter	01/25/2013
8600113	10	Arsenic	0.0019	μg/m3	SW846 6020A	Filter	01/25/2013
8600113	10	Lead	0.0061	μg/m3	SW846 6020A	Filter	01/25/2013
8600109	11	Arsenic	< 0.00015	μg/m3	SW846 6020A	Filter	01/28/2013
8600109	11	Lead	< 0.00015	μg/m3	SW846 6020A	Filter	01/28/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

CHAIN OF CUSTODY RECORD

2013010544



PROJECT NAME PROJ. NO OF CONTAINERS REMARKS COMP SAMPLE NUMBER ò DATE STA# TIME 8660122 OCF.VI 8600121 OCFALL 0411 OCENLL GCF-V/ OCITALL 13 OCF VI 13 OCE NU 8600114 MOCELLA HI VOLLEME SAMPLER LOGI. Shipped via: FedEx, UPS Date/Time Lab Relinquished (Signature) or Other 15:57 1/28/13 Air Bill # Date/Time Remarks Relinquished (Signature) Date/Time Received for Laboratory by: (Signature) Date/Time Relinquished (Signature) Enclosed: Parameter List with DTLs Cover Letter Split Samples:]Accepted []Declined_ COC Form - 7/12 Signature

Monthly Report 200, January 2013 Operable Unit 02 Asarco Tacoma Smelter Site

PORTABLE

AIR

MONITORING

DATA

(LOW VOLUME)

Spectra01/23/13Spectra Laboratories – Portable air monitoring analysis for 01/08 thru 01/11Spectra01/21/13Spectra Laboratories – Portable air monitoring analysis for 01/14 thru 01/17Spectra02/12/13Spectra Laboratories – Portable air monitoring analysis for 01/21 thru 01/22	Reference	Date	Description
Spectra 01/21/13 01/14 thru 01/17 Spectra 02/12/13 Spectra Laboratories – Portable air monitoring analysis for	Spectra	01/23/13	1 1
Shectra U//1//13 -	Spectra	01/21/13	
	Spectra	02/12/13	

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01/23/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring 2B

Date Received:

01/14/2013

Spectra Project: 2013010270

							Date
Client ID	Spectra #	Analyte	Result	<u>Units</u>	Method	<u>Matrix</u>	Sampled
010813-250	1	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/08/2013
010813-250	j	Lead	< 0.004	µg/m3	SW846 6020A	Air Cassette	01/08/2013
011013-500	2	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/10/2013
011013-500	2	Lead	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/10/2013
011113-181	3	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/11/2013
011113-181	3	Lead	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/11/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

Page 1 of 1

CHAIN OF CUSTODY RECORD

CHAIN O	PROJ. NO 10 PROJECT NAME (CASPHE)					20130	102	27	0		5219 N. Shir Phone: 253-		t, Suite 100, Tacoma, WA 98407 Fax: 253-752-7083
PROJ. NO	ON 110 S: (Signatur	RING RING		JECT	Pt Ryston 1	seHe)	OF CONTAINERS					/	REMARKS
DATE	STA#	TIME	COMP	GRAB	SAMPLE NU	IMBER	NO. OF			_			
1/4/13	ZB ZB		X		010813-250	!	1	X					
1/10/13	3B WW		L		011013 - 500		1	X					
1/16/13 1/11/13	28		×		011113 - 181		1	X					
1/14/13			—		- SAMPLE LOG IN	FO SHEET (3) -						
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Relinquish	ed (<i>Signatu</i>	re)			Date/Time	Received	for Labor	ratory b	y: (Sign	nature)	Date/	Time	Enclosed: ☐ Parameter List with DTLs ☐ Cover Letter
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COC Form	- 7/12										I lycrebied	. []D&CII	Signature

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

01/24/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Date Received: 01/21/2013

Spectra Project: 2013010394

							Date
Client ID	Spectra #	Analyte	Result	<u>Units</u>	Method	<u>Matrix</u>	Sampled
011413-123	1	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/14/2013
011413-123	1	Lead	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/14/2013
011513-181	2	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/15/2013
011513-181	2	Lead	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/15/2013
011513-123	3	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/15/2013
011513-123	3	Lead	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/15/2013
011613-250	4	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/16/2013
011613-250	4	Lead	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/16/2013
011613-500	5	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/16/2013
011613-500	5	Lead	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/16/2013
011713-181	6	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/17/2013
011713-181	6	Lead	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/17/2013
011713-123	7	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/17/2013
011713-123	7	Lead	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/17/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

POINT RUSTON

5219 N. Shirley Street, Suite 100, Tacoma, WA 98407

Phone: 253-752-2185

Fax: 253-752-7083

CHAIN OF CUSTODY RECORD

2013010394

PROJECT NAME PROJ. NO OF CONTAINERS REMARKS COMP GRAB SAMPLE NUMBER TIME DATE STA# Š 011413-123 AKĒA 011513-181 1 011513-123 PPBA THEA SHEA PPBA SAMPLE LOGINFUSHEET Shipped via: FedEx, UPS Relinquished (Signature) Date/Time Rederved by: (Signature) Lab or Other 14158 Air Bill # Received by: (Signature) Remarks Relinquished (Signature) Date/Time Received for Laboratory by: (Signature) Date/Time Relinquished (Signature) Date/Time Enclosed: Parameter List with DTLs Cover Letter Split Samples: [Accepted []Declined_ COC Form - 7/12 Signature

2221 Ross Way • Tacoma, WA 98421 • (253) 272-4850 • Fax (253) 572-9838 • www.spectra-lab.com

02/12/2013

Point Ruston 5219 N. Shirley St., Suite 100 Tacoma, WA 98407

Project:

Air Monitoring PPBA

Date Received:

01/28/2013

Spectra Project: 2013010545

Client ID	Spectra #	Analyte	Result	Units	Method	Matrix	Date Sampled
012113-123	1	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/21/2013
012113-123	1	Lead	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/21/2013
012213-250	2	Arsenic	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/22/2013
012213-250	2	Lead	< 0.004	μg/m3	SW846 6020A	Air Cassette	01/22/2013

SPECTRA LABORATORIES

Steve Hibbs, Laboratory Manager a8/scj

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CHAIN OF CUSTODY RECORD

2013010545



PROJ. NO	PPB.L DKI TOKI	4	PRO	DJECT	TNAME	, (c	assette)s		S		7		7	7		
AIRM	DELTORE	16		1	of Bu	15ton 1	160		ZER		(1)	p/				
SAMPLER	S: (Signatu	re)							TAIL		/ V'	7				/ /
1	dell	200		_					F CONTAINERS	/	X					REMARKS
DATE	STA#	TIME	COMP	GRAB		SAMPL	LE NUMBER		NO. OF		Y					
1/2/13	PPBA		d		0121	13-12:	3		İ	X						
1/22/13	PPBA PPBA		又			213-25			i.	X						
1/28/13				-				sheet (2)								
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	ned (<i>Signatu</i>	ire)				Date/Time		Received by:		1			Rema	arks		
Relinquish	ned (<i>Signatu</i>	ire)				Date/Time		Received for	Labora	atory b	y: (Sigr	nature)	D	ate/Tin	ne	Enclosed: Parameter List with DTLs Cover Letter
	HISTORIA AL													Sample		1
COC Form	- 7/12												[]ACO	epted [Juecii	Signature

Monthly Report 200, January 2013 Operable Unit 02 Asarco Tacoma Smelter Site

METHANE

MONITORING

DATA

Reference	Date	Description	
Bldg 2B	01/17/13	Gas Monitoring Data Form / Calibration Worksheet	
Bldg 2B	Jan. 2013	Methane Monitoring – DATA LOG	

METHANE MONITORING - DATA LOG

Point Ruston, LLC

Building 2B

	Well	Date	Temperature	Hyd	rogen Sulfide	. 511	Oxygen	Combustible LE (Methane)
Period	Location	Time	c°	Reading	TWA	STEL	Reading	Reading
9	Calibrate	1/17/2013 13:22	19	0	0	0	21.2	0
10	Calibrate	1/17/2013 13:25	20	0	0 .	0	20.9	0
11	2BW001	1/17/2013 13:39	17	0	0	0	20.9	0
11	2BW001	1/17/2013 13:40	17	0	0	0	20.9	0
11	2BW001	1/17/2013 13:41	17	0	0	0	20.9	0
11	2BW001	1/17/2013 13:42	17	0	0	0	20.9	0
11	2BW001	1/17/2013 13:43	17	0	0	0	20.9	0
11	2BW001	1/17/2013 13:44	17	0	0	0	20.9	0
11	2BW001	1/17/2013 13:45	16	0	0	0	20.9	0
11	2BW001	1/17/2013 13:46	16	0	0	0	20.9	0
11	2BW001	1/17/2013 13:47	16	0	0	0	20.9	0
11	2BW001	1/17/2013 13:48	15	0	0	0	20.9	0
11	2BW001	1/17/2013 13:49	15	0	0	0	20.9	0
12	2BW002	1/17/2013 13:51	13	0	0	0	21.3	0
12	2BW002	1/17/2013 13:52	13	0	0	0	21.2	0
12	2BW002	1/17/2013 13:53	13	0	0	0	21.1	0
12	2BW002	1/17/2013 13:54	13	0	0	0	20.9	0
12	2BW002	1/17/2013 13:55	13	0	0	0	20.9	0
12	2BW002	1/17/2013 13:56	13	0	0	0	20.9	0
12	2BW002	1/17/2013 13:57	12	0	0	0	20.9	0
12	2BW002	1/17/2013 13:58	12	0	0	0	21.1	0
12	2BW002	1/17/2013 13:59	12	0	0	0	20.9	0
12	2BW002	1/17/2013 14:00	12	0	0	0	20.9	0
13	2BW003	1/17/2013 14:02	12	0	0	0	21.3	0
14	2BW003	1/17/2013 14:04	10	0	0	0	21.3	0
14	2BW003	1/17/2013 14:05	10	0	0	0	20.9	0
14	2BW003	1/17/2013 14:06	11	0	0	0	21.1	0
14	2BW003	1/17/2013 14:07	10	0	0	0	20.9	0
14	2BW003	1/17/2013 14:08	10	0	0	0	20.9	0
14	2BW003	1/17/2013 14:09	10	0	0	0	21.1	0
14	2BW003	1/17/2013 14:10	10	0	0	0	20.9	0
14	2BW003	1/17/2013 14:11	10	0	0	0	21.1	0
15	2BW004	1/17/2013 14:14	9	0	. 0	0	21.7	0
15	2BW004	1/17/2013 14:15	9	0	0	0	20.9	0
15	2BW004	1/17/2013 14:16	9	0	0	0	20.9	0
15	2BW004	1/17/2013 14:17	9 '	0	0	0	21.1	0
15	2BW004	1/17/2013 14:18	9	0	0	0	20.9	0
15	2BW004	1/17/2013 14:19	9	0	0	0	21.1	0
15	2BW004	1/17/2013 14:20	. 9	0	0	0	21.3	0
15	2BW004	1/17/2013 14:21	9	0	0	0	21.2	0
15	2BW004	1/17/2013 14:22	8	0	0	0	20.9	0
15	2BW004	1/17/2013 14:23	8	0	0	0	20.9	0
16	Sync	1/17/2013 15:12	26	0	0	0	20.6	0

Gas Monitoring Data Form / Calibration Worksheet

Project Name:			Build	ing 2B					\wedge	,					
Date of Sampling		1/	17/	//3		Name	of Sample C	Collector:	W.	twil.	SER		 		
Gas Meter Inform Manufacturer:		ustrial Scie	entific	Me	odel:	M40 / S	P40		Ser	ial Number:		0806049-98	4		
•								-							
Factory/Service	Center C	Calibration	Date of G	as Monito	r:	Nove	ember 1, 20	011	<u> </u>	.5 SCFH ().25 LPM)				
Calibration Canis															
Canister I.D.	Lot: M	4L 463	7-2 cyl:		Calib	ration Gas:	O ₂ , LE	L, CO, H	S, N	Ca	nister Exp.:	3/5/	13		
PRE-SAMPLE C	ALIBRA	TION:		Date:						Time:		· · · · · · · · · · · · · · · · · · ·			
Sensor SI	N	Senso	r Type	Gas [*]	Гуре	Span Gas	Span Reserve		sed/ iled	Alarm Low	Alarm High	Alarm TWA	Alarm STEL		
80686245	9	Combus	tible-LEL	Metl	hane	50	79	. (?						
80582335	4	Hydroge	n Sulfide	Hydroge	n Sulfide	25	43		P						
1803397030	081	Оху	/gen	Оху	gen	19	30/30.								
Temperature:			3arometric	Pressure:	30.48	=	Conditions								
Precipitation: Wind Speed:	19.1	 Direction	.0-2	Other	Relevant (Conditions:		<u>4 717) E</u>						
Location Well ID#	Samp	le Tube	Start Time	Stop Time	Initial % LEL	Stabilized % LEL	% CH ₄ By Volume	% O ₂	H₂S (ppm)		No	otes			
JBWOOL	7		13:37	13:47	, 0	0	0	20.9	0						
2BW002			13:50	14:00	0	0		20.9	0	ļ					
280003		<u> </u>	14:02			0	0	21.1	0						
202004			14:12	14:22	0	0	0	20,9	0						
													<u></u>		
						!									
		1_													

Certification:

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct.

SIGNATURE: SIGNATURE:

DATE: //7 //3

Monthly Report 200, January 2013 Operable Unit 02 Asarco Tacoma Smelter Site

MISCELLANEOUS

TEST

SAMPLING

DATA

(SOIL – DEBRIS – WATER – ETC.)

Reference	Sample Date	Description
A	01/15/13	Internal XRF – Composite sample from liner preparation area between 2B-W and Waterwalk
В	01/21/13	Internal XRF – Grab sample from liner preparation area near JUT 50 feet NW of the north corner of 2B (heading 320 degrees)
С	01/23/13	Internal XRF – Composite sample from Metro Parks clean haul road in MMZ
D	01/31/13	Internal XRF – Composite sample from drill tailings in barrels at Yacht Club bore hole project (stage 1 of 3)

Building 2B-West Grading
6-point composite sample obtained from pre-liner grading area between the west end of Building 2B and the Waterwalk.

Sample Date (or) Reading No.	Sample/Reading Time	Туре	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
3	1/15/2013 12:43	BULK	90	ppm	Final	2BSAM-FYI-01-A1	2BSAM	Α	1		48.28	43.11
4	1/15/2013 15:17	BULK	90	ppm	Final	2BSAM-FYI-02-A1	2BSAM	Α	2		36.56	39.72

Average 42.42 41.42



Building 2B-West Utility Trench

Grab sample obtained from utility trench test pit about 50' NW of of the NE corner of building 2B

Sample Date (or) Reading No.	Sample/Reading Time	Туре	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
5	1/21/2013 11:50	BULK	90	ppm	Final	2BNTP-FYI-01-E1	FYI	E	1		21,07	32.01

Average 21.07 32.01



RFI-20 Haul Road (MMEZ)

Samples obtained from locations noted on attached diagram (Exhibit B)

Sample Date (or) Reading No.	Sample/Reading Time	Туре	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
3	1/23/2013 14:58	BULK	90	ppm	Final	RFI 20-SAM-01-A1	RFI 20	Γ Α	1		62,57	49,36
· · · · · · · · · · · · · · · · · · ·					1							

Average 62.57 49.36



Yacht Club Drilling

Samples obtained from tailings contained in barrels corresponding to bore hole locations noted below.

Sample Date (or) Reading No.	Sample/Reading Time	Туре	Duration	Units	Sequence	Sample Number	Site Code	Sample Depth	Subunit	Sample Type	Pb	As
4	1/31/2013 12:53	BULK	90	ppm	Final	YCTLG-FYI-01-A1	YCTLG	А	1		959.67	1325.64

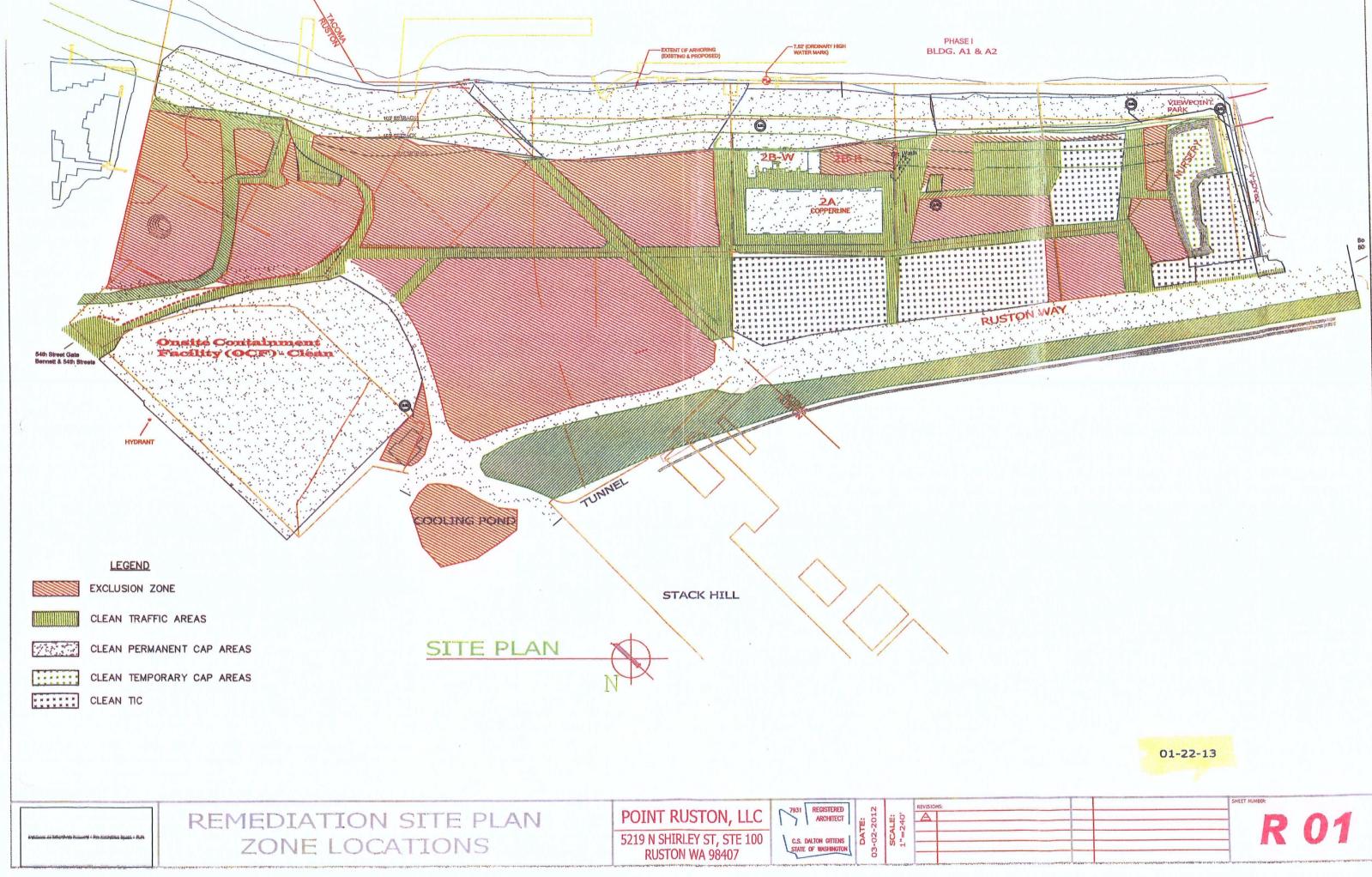


Monthly Report 200, January 2013 Operable Unit 02 Asarco Tacoma Smelter Site

MISCELLANEOUS

INFORMATION

Reference	Date	Description	
Zone Plan	01/22/13	Updated Zone Plan for lower site	
Memo	01/31/13	Recent Area Earthquakes (Seismic Events)	
Memo	01/31/13	OCF – Summary of 2012 activities	
Stock Piles	02/06/13	Updated Stock Pile location plan	



RUSTON WA 98407

MEMORANDUM

January 31, 2013

SUBJECT: RECENT AREA EARTHQUAKES (SEISMIC EVENTS)

The OCF-OMMP addresses response to earthquake events under section 2:

2.1.7 Earthquake Damage

"Should a significant seismic event occur in close proximity to the OCF, a postearthquake inspection will be completed to assess potential damage to the OCF embankment and cover system. A two-tier inspection program will be used to allow for a rapid assessment of earthquake damage. The first-tier will consist of a preliminary inspection that will be followed up by a more detailed assessment and evaluation (secondtier). First-tier inspection activities will be initiated within 48 hours of the seismic event. The need and schedule for second-tier activities will be identified based on the results from the First-Tier inspection.

Table 2-4 identifies the requirements for potential earthquake inspection at the OCF."**

On January 5, 2013 at about 12:58 AM a magnitude 7.7 earthquake was reported approximately 757 miles northwest (NW) of the Onsite Containment Facility (OCF), near Ketchikan, AK. No known reports of tremors were felt in the South Puget Sound area. This event was considered to be a *non*-significant seismic event, relative to the OCF, and a post-earthquake inspection of the OCF was not conducted.

On January 8, 2013 at about 1:39 PM a magnitude 3.5 earthquake was reported approximately 148 miles northeast (NE) of the OCF, near Winthrop, WA. No known reports of tremors were felt in the South Puget Sound area. The magnitude was later updated to 2.9. This event was considered to be a *non*-significant seismic event and a post-earthquake inspection of the OCF was not conducted.

On January 19, 2013 at about 9:50 AM a magnitude 2.0 earthquake was reported approximately 2.75 miles east-southeast (ESE) of the OCF. The USGS received two reports of weak tremors felt southeast of the epicenter in Tacoma and Orting, about 18 miles away. This event was considered to be a *non*-significant seismic event and a post-earthquake inspection of the OCF was not conducted.

On January 22, 2013 at about 1:56 PM a magnitude 1.0 earthquake was reported approximately 3 miles east-southeast (ESE) of the OCF. No known reports of tremors were felt in the South Puget Sound area. This event was considered to be a *non*-significant seismic event and a post-earthquake inspection of the OCF was not conducted.

On January 25, 2013 at about 1:11 AM a magnitude 3.4 earthquake was reported approximately 78 miles north (N) of the Onsite Containment Facility (OCF), near Anacortes, WA. The USGS received reports of weak to light tremors felt southerly of the epicenter into Clallam, Jefferson and King Counties, up to 68 miles from the epicenter. No known reports of tremors were felt in the South Puget Sound area. This event was considered to be a *non*-significant seismic event and a post-earthquake inspection of the OCF was not conducted.

Other non-significant seismic events were omitted due to their relatively small magnitude and/or distance from the OCF.

Sincerely,

Tim Rusher

Construction Oversight/Health & Safety Officer

TABLE 2-4. POST-EARTHQUAKE DAMAGE INSPECTION REQUIREMENTS

Item	Inspection	First-Tier Inspection	Second-Tier Inspection
OCF Cap and Embankment	Visual damage	Inspect OCF cap for visual damage, gross displacements, cracked or damaged concrete or sidewalks, cracked embankment fill, sand boils from foundation outboard of embankment, damaged irrigation system and other visual damage.	Possible subsurface investigation of damaged areas and assessment of postearthquake embankment stability.
Benchmarks	Horizontal and vertical displacement	Survey OCF benchmarks and tie with site wide controls.	Evaluate monument displacement. Assess need for and conduct ongoing monitoring.
LCRS and LDCRS	Operation and leachate volumes	Inspect pumps, piping, electrical, leachate tank, vault, and instrumentation and phone dialer/alarm system.	Evaluate post-earthquake LDCRS flow rate and compare with rate for previous reporting period.
Cap underdrain systems	System integrity and function.	Complete visual inspection of manholes and drainpipe inverts, and drain system outfall.	Perform visual inspection of drain system operation during storm event following earthquake. Conduct subsurface investigation to evaluate integrity of drainpipe in areas of apparent damage.

The United States Geological Society (USGS) defines a "Significant" earthquake as, "[E]arthquakes of magnitude 6.5 or greater or ones that caused fatalities, injuries or substantial damage".

USGS historical listings of "significant" global earthquakes between 1977 and 2010 do not record any earthquakes below 3.0 magnitude. Earthquake magnitude, local shaking, damage reports and proximity should be considered when determining the level of inspection needed outlined in the OCF-OMMP.

^{**}Comments regarding "significant seismic event"



MEMORANDUM

January 31, 2013

SUBJECT:

OCF Operation Maintenance and Monitoring for

2012

The OCF OMMP (January 2007) describes the long term operation, maintenance, and monitoring activities associated with the Onsite Containment Facility.

The following is a summary of OCF related operations, maintenance and monitoring conducted in 2012 (copies of inspection records are attached).

March 26, 2012:

A truncated inspection of the vaults, embankment and cover

system was completed following a non-significant seismic event

on March 24th.

August 27, 2012:

Began moving materials and equipment to the area known as the

Bennett Street Parking area of the OCF. A cover inspection was

completed.

September 9, 2012:

Began deconstruction of the OCF pond. The perimeter drain and storm water collection system no longer discharges to the pond and was connected to the new storm drain at Yacht Club Road on

10/13/2011.

September 14, 2012: A full inspection of the OCF vaults, cover, embankment, and storm

water collection system was completed.

October 31, 2012:

A truncated inspection of the vaults, embankment and cover was

completed following two regional, non-significant, seismic events

on October 19th & 27th.

LEACHATE:

The OCF OMMP 2.1.2 Response Action Plan sets forth actions that will be taken if the action leakage rate of two (2) gallons per day for the LDCRS has been exceeded. The action leakage rate has not been exceeded since prior to completion of the OCF cover system.

A total of 16.5 gallons has been pumped from the LDCRS between 10/27/08 and 04/18/11. All 16.5 gallons were extracted while manually operating the pump during inspections to check pump operation. Manual pumping during inspections of the LDCRS has been discontinued due to the fluid level being below pump operating level. LDCRS levels continue to be monitored as least semi-annually as specified in the OMMP and in accordance with 40 CFR Section 264.303 and 304.

LCRS/LDCRS volumes are monitored daily. Leachate shipments for 2012 are as follows:

Date Shipped	Gallons	Arsenic µg/m³
02/09/2012	4,932	4.06
04/11/2012	4,716	3.83
05/11/2012	4,632	4.29
06/18/2012	5,192	4.46
08/28/2012	4,800	6.91
11/09/2012	4,716	4.72
TOTAL	28,988	

EARTQUAKES:

The following non-significant seismic events were recorded in 2012. Post-earthquake inspections were not required for these events.

DATE	Magnitude at Epicenter	Distance From OCF	Inspection Required?
03/24/2012	3.6	72 miles	No
10/19/2012	1.1	3.5 miles	No
10/27/2012	7.7	560 miles	No
12/27/2012	4.0	100 miles	No

RECOMMENDED UPDATES:

Appendix C – Contact Information, is outdated and should be revised with current contact information. See attached revision.

APPENDIX C

Contact Information

CONTACT INFORMATION

Tacoma Smelter OCF

Operator

Point Ruston, LLC

Contact:

Tim Rusher

Phone:

253-752-2185 ext. 211

Fax:

253-752-7083

Address:

5219 N. Shirley St., Suite 100, Ruston, WA 98407

Email:

Tim@mcconstruction.com

Offsite Leachate Disposal Contractors

Emerald Environmental Services

(Non-Regulated)

Contact:

Patty Keene

Phone:

206-832-3155

Fax:

206-832-3156

Address:

7343 E. Marginal Way S., Seattle, WA 98108

Email:

pkeene@emeraldnw.com

PSC Environmental Services, LLC

(Regulated)

Contact:

Jason Collins 425-204-7135

Phone: Fax:

425-204-7135

Address:

18000 72nd Ave. S., #217, Kent, WA 98032

Security Monitoring

System dialer is currently programmed to dial the Operator listed above.

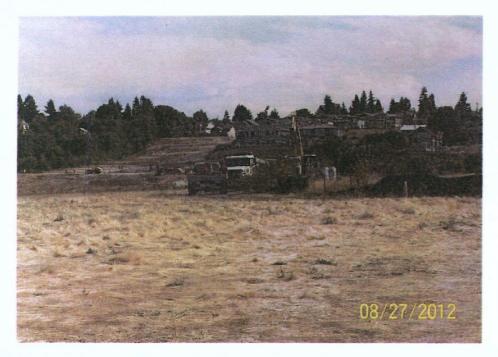
INSPECTION

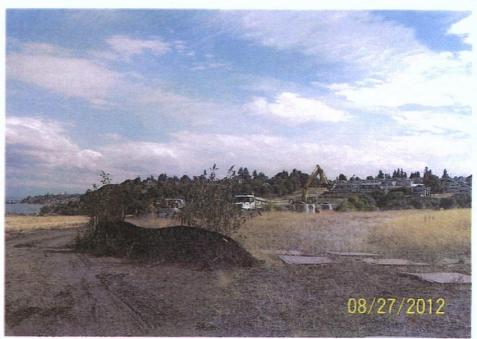
RECORDS



Date: 8/27/12 Inspected By: TIM RUSHER
Use attached OCF Site Plan in conjunction with inspection form to document locations and conditions encountered during inspection. Locations identified on the site plan should be numbered and corresponding number referenced below on this inspection form. Provide a sketch on the site plan where appropriate to document conditions observed during the inspection.
Surface and Turf: (Identify locations including dead or poor turf, settlement, erosion, or ponding)
TURF DRY NO SETTLEMENT, EROSION OR PONDING TO REPORT
<u>Manholes:</u> (inspect concrete cover and lids for damage, remove lids and inspect invert and pipe connections; identify any maintenance items or cleaning requirements)
BUT NOT CRITICAL.
SMT MOT CRITICAL,
<u>Perimeter Drain System:</u> (inspect inverts in manholes, conditions of cleanouts, note damage such as broken or missing covers)
-NA-
$-\mathcal{N}^{-1}$
Irrigation System: (Obcano condition of irrigation system during execution inspect all and the bands
Irrigation System: (Observe condition of irrigation system during operation, inspect all sprinkler heads, zone valves and controls, identify conditions requiring maintenance such as broken pipes, spray heads or malfunctioning controls)
1
SYSTEM NOT /N OPERATION DISCONNECTED FROM WATER
-NA- Supply Sept. 2009
J SOFT, APP
OCF Benchmarks: (note broken or missing benchmarks or other conditions requiring resurvey)
Date of last survey: $\frac{2}{2}/\frac{2}{9}$
Date of last survey. $\frac{\chi/\chi/\chi/\psi/}{ \chi }$
Bennett Street Parking Area: (note conditions and requirements for maintenance)
i i i i i i i i i i i i i i i i i i i
STARTING TO UTILIZE THIS AREA FOR STORAGE OF
MATERIALS + EQUIPMENT (CLEAN MATERIALS ONLY).
Other: (Identify additional requirements or conditions encountered as appropriate)
SILT FENCE AROUND BENNETT STREET ARRENG AREA IS MOSTLY INTITET, BUT
IS PROBABLY NOT NEEDEN.

NOTE: Additional pages may be attached to report form. Photographs of conditions encountered during annual inspection may be beneficial to document conditions from year to year.







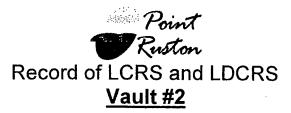




Point Ruston Record of LCRS and LDCRS Vault #1

3.6 M EARTH QUAKE

Data: m / . /		Inspected			/ <miles< th=""></miles<>
Date: 3/26/	12	Ву:	Tin	RUSHER	
Exterior Conditions: (in	spect the condition	on of the pred	ast concrete va	ault for wear, cra	cks or other damage)
	•	•		, , , , , , , , , , , , , , , , , , , ,	
No VISIG	LE CHAN	GE OR	DAMAGE		
Vault Lid and Ladder: (inspect the condi	tion of the lid	, locking mecha		, ' '
OKAY				Ĺ	ADD OR NOT CHECKED
Confined Space Entry/	Monitoring:			PERMIT ISSU	ED Yes No
% LEL <	:10%	Yes 🔀	No		
PPM H₂S <	:10 PPM	Yes 🔀	No	VAULT No	OT ENTEREY).
% Oxygen (vol)	<19.5%	is deficient,	>23.5% is enric	ched ON	ened Guly,
Ventilation Fan Operab	ole?	X Yes	☐ No	7	7,002
Floor Sump: (note condi	itions including star	nding liquid in f	loor sump, wet s	pots on vault wall,	drips or leaks from piping)
		•			
DRY (Pu	mp 150 pere	ANONAI	_)		
Lighting: (note conditio	ns and requireme	ents for maint	enance)	· · · · · · · · · · · · · · · · · · ·	
WORKS					
LCRS Monitoring: (met			nditions requiri	ng maintenance)	
Meter Reading 34	<u>4018.1</u>	_			·
Sump Level: 42.6	-	Af	ter		
Pump Operable: Comments:] Yes	No	(manual engag	e pump after rec	ording readings)-
1	uals about 35.3 g	gallons (19.6	6 gallons per i	nch)	
LDCRS Monitoring: (m	eter reading, fluid	level. Note o	conditions requi	ring maintenance	e)
Meter Reading	16.5				
Sump Level: -19,7	Before	Af	ter DRU		
Pump Operable: Comments:	Yes	No	(manual engag	, le pump after rec	ording readings)
0.1 inch equal	ls about 1.8 gall	lons (18 gall	lons per inch)		



Date: 3/26/12 Inspected By: TIM RUSHER				
Exterior Conditions: (inspect the condition of the precast concrete vault for wear, cracks or other damage)				
NO VISIBLE CHANGE OR DAMAGE UN ABLE TO VIEW BEHAND TANK Vault Lid and Ladder: (inspect the condition of the lid, locking mechanism, retractable ladder and steps)				
vault Lid and Ladder. (Inspect the condition of the lid, locking mechanism, retractable ladder and steps)				
OKM (LAPAGE NOT CHECKED)				
Confined Space Entry/Monitoring: Yes Yes No No Yes No Yes No Yes No Yes Yes				
PPM H ₂ S <10 PPM Yes No VAGILT OPENED BUT NOT WELL <10% Yes No FITTER EX				
% LEL <10% Yes No				
% Oxygen (vol) <19.5% is deficient, >23.5% is enriched				
Ventilation Fan Operable? Yes No				
Floor Sump: (note conditions including standing liquid in floor sump, wet spots on vault wall, drips or leaks from piping or storage tank)				
DRY (Pump 15 OPERATIONAL				
Lighting: (note conditions and requirements for maintenance)				
WORKS				
Leachate Storage Tank: (monitor volume)				
Depth In Tank 4700 Inches				
Volume In Tank Gallons (see attached storage curve)				
Off-site Disposal Required: X Yes No (Recommend schedule for tank pumping based on available storage capacity)				
Other:				
SOME WEERS AROUND VAULT CONLID BE CUT/TRIMALEN				

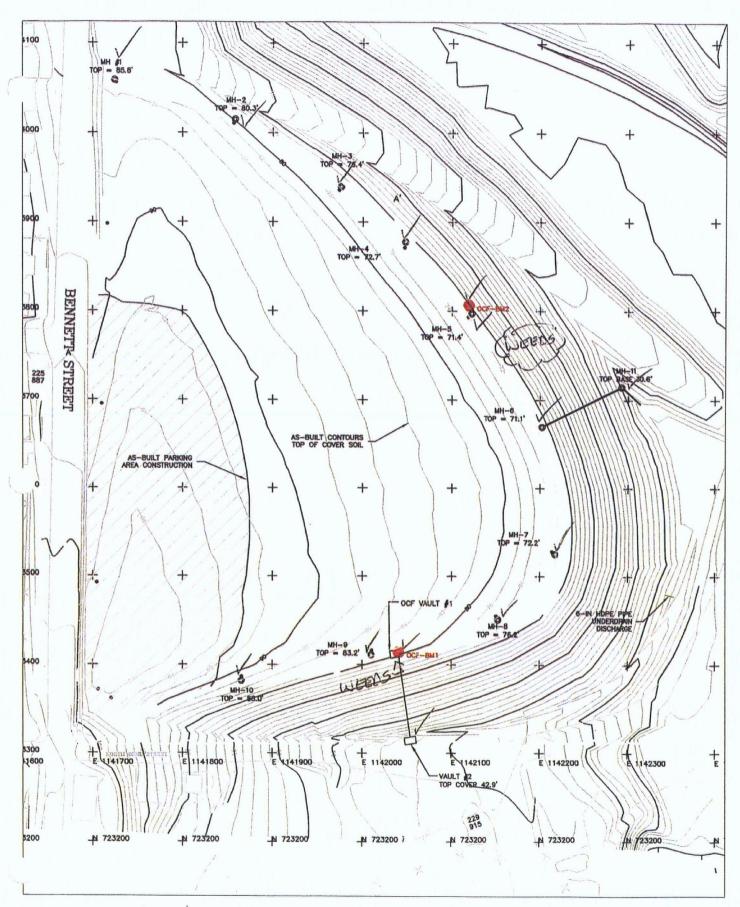


Record of OCF Cover Inspection

Date: 3/26/12 Inspected By: Tim Rusher
Use attached OCF Site Plan in conjunction with inspection form to document locations and conditions encountered during inspection. Locations identified on the site plan should be numbered and corresponding number referenced below on this inspection form. Provide a sketch on the site plan where appropriate to document conditions observed during the inspection.
Surface and Turf: (Identify locations including dead or poor turf, settlement, erosion, or ponding)
OKAY
<u>Manholes:</u> (inspect concrete cover and lids for damage, remove lids and inspect invert and pipe connections; identify any maintenance items or cleaning requirements)
OKAY (NOT OPENIOD)
Perimeter Drain System: (inspect inverts in manholes, conditions of cleanouts, note damage such as broken or
missing covers)
OUT From THROUGH MH# // LOCKS NORWAL & CLEAR
Irrigation System: (Observe condition of irrigation system during operation, inspect all sprinkler heads, zone valves and
controls, identify conditions requiring maintenance such as broken pipes, spray heads or malfunctioning controls)
Not IN SERVICE
OCF Benchmarks: (note broken or missing benchmarks or other conditions requiring resurvey)
Date of last survey: $\frac{2}{2} \frac{1}{2} \frac{2}{4} \frac{4}{4}
OKAY
Bennett Street Parking Area: (note conditions and requirements for maintenance)
BARE SOILS, GRAWED SMOOTH & SLOPED
No EROSION OR PONDING
Other: (Identify additional requirements or conditions encountered as appropriate)
Other: (Identify additional requirements or conditions encountered as appropriate)

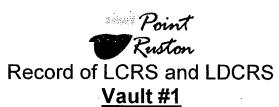
NOTE: Additional pages may be attached to report form. Photographs of conditions encountered during annual inspection may be beneficial to document conditions from year to year.

Printed: 1/30/2009

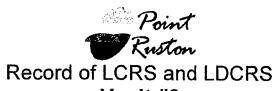


DATE: 3/26/12 By: TIM RUSHER

Field Inspection Form - OCF Site Plan



Date: 9/14/12 By: JATWILBER
Exterior Conditions: (inspect the condition of the precast concrete vault for wear, cracks or other damage)
o K
<u>Vault Lid and Ladder:</u> (inspect the condition of the lid, locking mechanism, retractable ladder and steps)
OK
Confined Space Entry/Monitoring: PERMIT ISSUED Yes No No Yes No No Yes No No Yes No Ye
PPM H₂S <10 PPM
% Oxygen (vol) 20-9 <19.5% is deficient, >23.5% is enriched
Ventilation Fan Operable?
Floor Sump: (note conditions including standing liquid in floor sump, wet spots on vault wall, drips or leaks from piping)
ok dry
Lighting: (note conditions and requirements for maintenance)
o K
LCRS Monitoring: (meter reading, fluid level. Note conditions requiring maintenance) Meter Reading
Meter Reading Sump Level: Before After See leachade 1095
Pump Operable: Yes No (manual engage pump after recording readings) Comments:
1.8 inches equals about 35.3 gallons (19.6 gallons per inch)
LDCRS Monitoring: (meter reading, fluid level. Note conditions requiring maintenance)
Meter Reading
Sump Level: Before After > 20 / eachate logs
Pump Operable: Yes
0.1 inch equals about 1.8 gallons (18 gallons per inch)



Vault #2

Date: 9/14/12 Inspected By: 12+ UILBox
Exterior Conditions: (inspect the condition of the precast concrete vault for wear, cracks or other damage)
ALL OK
Vault Lid and Ladder: (inspect the condition of the lid, locking mechanism, retractable ladder and steps)
ALLOK
Confined Space Entry/Monitoring: PERMIT ISSUED Yes No
% LEL (10% Yes No
PPM H ₂ S <10 PPM Yes No
% LEL <10% Yes No
% Oxygen (vol) 20-9 <19.5% is deficient, >23.5% is enriched
Ventilation Fan Operable? Yes No
Floor Sump: (note conditions including standing liquid in floor sump, wet spots on vault wall, drips or leaks from piping or storage tank)
DRY 0K
<u>Lighting</u> : (note conditions and requirements for maintenance)
ok
Leachate Storage Tank: (monitor volume)
Depth In Tank Inches
Volume In Gallons (see attached storage curve)
Tank (see attached storage curve)
Off-site Disposal Required: No (Recommend schedule for tank pumping based on available storage capacity)
Other:

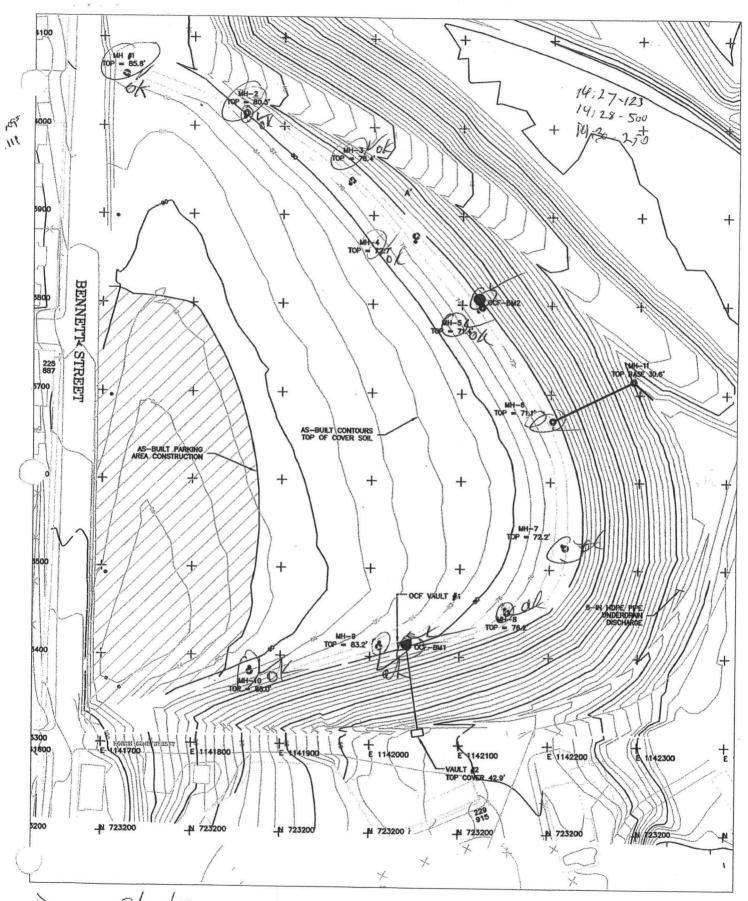


Record of OCF Cover Inspection

Date: 9/14/12 Inspected By: PAT WILBER
Use attached OCF Site Plan in conjunction with inspection form to document locations and conditions encountered during inspection. Locations identified on the site plan should be numbered and corresponding number referenced below on this inspection form. Provide a sketch on the site plan where appropriate to document conditions observed during the inspection.
Surface and Turf: (Identify locations including dead or poor turf, settlement, erosion, or ponding)
OK- no change
Manholes: (inspect concrete cover and lids for damage, remove lids and inspect invert and pipe connections; identify any maintenance items or cleaning requirements) #1-0K #2-0K #3-0K # 4-0K #5-0K #6-0K #7-0K #8-0K #P-0K
Perimeter Drain System: (inspect inverts in manholes, conditions of cleanouts, note damage such as broken or
missing covers)
6K
Irrigation System: (Observe condition of irrigation system during operation, inspect all sprinkler heads, zone valves and controls, identify conditions requiring maintenance such as broken pipes, spray heads or malfunctioning controls)
Not in service at this time
OCF Benchmarks: (note broken or missing benchmarks or other conditions requiring resurvey) Date of last survey: $2/2/266$
Bennett Street Parking Area: (note conditions and requirements for maintenance)
ok no change
Other: (Identify additional requirements or conditions encountered as appropriate)
Vegetation around mHS need and back

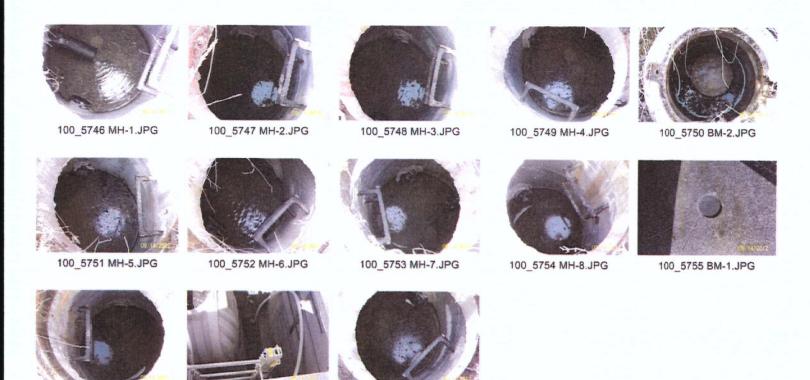
NOTE: Additional pages may be attached to report form. Photographs of conditions encountered during annual inspection may be beneficial to document conditions from year to year.

Printed: 1/30/2009



DATE 9/14/12 By PAT WILBER

Field Inspection Form - OCF Site Plan



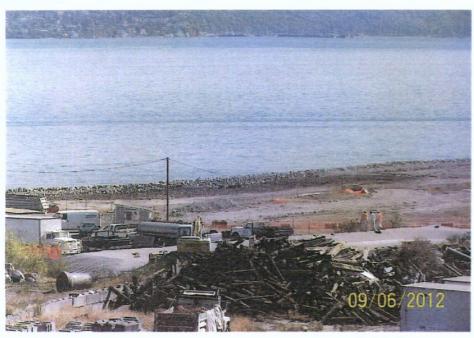
100_5759 MH-10.JPG

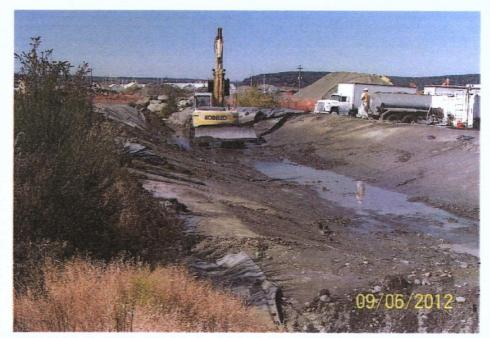
100_5757 MH-9.JPG

100_5758 Vault-2.JPG







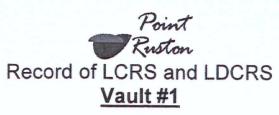












Date: 10/31/12 By: Tim Rusher
Exterior Conditions: (inspect the condition of the precast concrete vault for wear, cracks or other damage)
NO EVIDENCE OF
<u>Vault Lid and Ladder:</u> (inspect the condition of the lid, locking mechanism, retractable-ladder-and-steps)-
OKAY LADDER NOT GHERKED.
Confined Space Entry/Monitoring: PERMIT ISSUED Yes No
% LEL <10%
PPM H2S <10 PPM Yes No OPENED LID
% Oxygen (vol) <19.5% is deficient, >23.5% is enriched No ENTRY
Ventilation Fan Operable? Yes No
Floor Sump: (note conditions including standing liquid in floor sump, wet spots on vault wall, drips or leaks from piping)
DRY - PUMP 15 OPERATIONAL.
Lighting: (note conditions and requirements for maintenance)
OKAY
LCRS Monitoring: (meter reading, fluid level. Note conditions requiring maintenance)
Meter Reading 367562. 7
Sump Level: 39. 7 Before — NA- After
Pump Operable: Yes A - No (manual engage pump after recording readings) Comments:
1.8 inches equals about 35.3 gallons (19.6 gallons per inch)
LDCRS Monitoring: (meter reading, fluid level. Note conditions requiring maintenance)
Meter Reading 16.5
Sump Level: 19.7 Before -NA-After
Pump Operable: Yes No (manual engage pump after recording readings) Comments:
0.1 inch equals about 1.8 gallons (18 gallons per inch)



Point Ruston Record of LCRS and LDCRS Vault #2

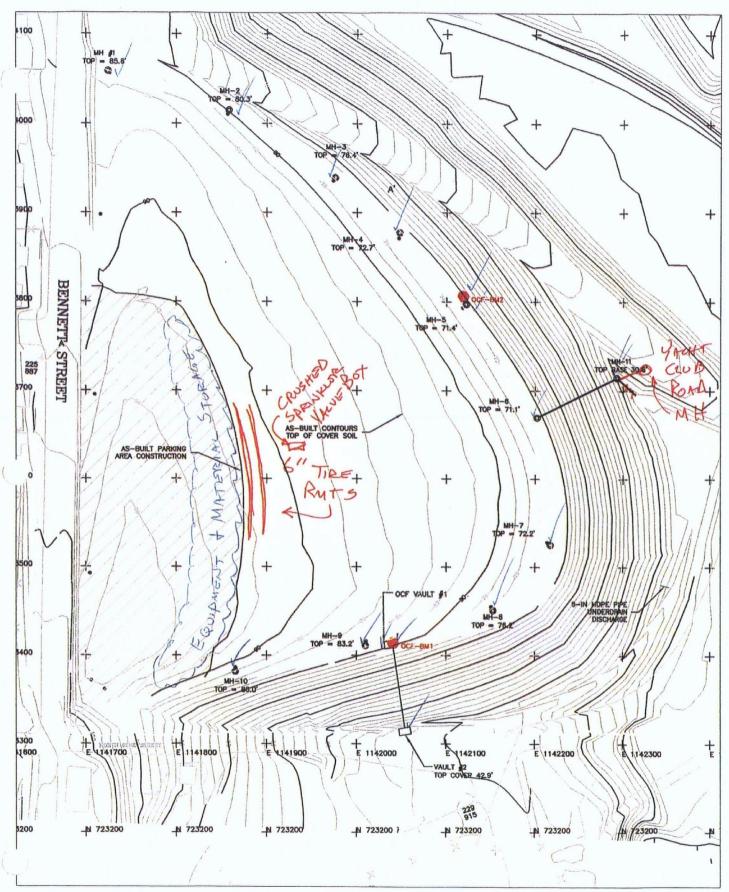
Date: 18/31/12 Inspected By: TIM RUSHER
Exterior Conditions: (inspect the condition of the precast concrete vault for wear, cracks or other damage)
NO EVIDENCE OF
Vault Lid and Ladder: (inspect the condition of the lid, locking mechanism, retractable ladder and steps)
ORAY LADDER NOT CHECKED
Confined Space Entry/Monitoring: PERMIT ISSUED Yes No
% LEL <10% Yes No
PPM H2S <10 PPM Yes No OPENED LID
% LEL <10% ☐ Yes ☒ No
% Oxygen (vol) <19.5% is deficient, >23.5% is enriched
Ventilation Fan Operable? Yes No
Floor Sump: (note conditions including standing liquid in floor sump, wet spots on vault wall, drips or leaks from piping or storage tank)
DRY PUMP IS OPERATIONAL
Lighting: (note conditions and requirements for maintenance)
OKAY
Leachate Storage Tank: (monitor volume)
Depth In Tank — NA — Inches
Volume In Tank 475 Gallons (see attached storage curve)
Off-site Disposal Required: X Yes No (Recommend schedule for tank pumping based on available storage capacity)
Other:



Record of OCF Cover Inspection

Date: 16/31/12 Inspected By: The Rushers
Use attached OCF Site Plan in conjunction with inspection form to document locations and conditions encountered during inspection. Locations identified on the site plan should be numbered and corresponding number referenced below on this inspection form. Provide a sketch on the site plan where appropriate to document conditions observed during the inspection.
Surface and Turf: (Identify locations including dead or poor turf, settlement, erosion, or ponding)
DRY MATTED GRASS W/FRICK GREEN SPRONTING UP.
Manholes: (inspect concrete cover and lids for damage, remove lids and inspect invert and pipe connections;
identify any maintenance items or cleaning requirements)
EXTERIOR LOOKS FINE. NOT OPENED FOR THIS INSPECTION.
Perimeter Drain System: (inspect inverts in manholes, conditions of cleanouts, note damage such as broken or
missing covers)
FLOW IS NORMAL + WATER 15 CLEAR AT MH. #19
Irrigation System: (Observe condition of irrigation system during operation, inspect all sprinkler heads, zone valves and
controls, identify conditions requiring maintenance such as broken pipes, spray heads or malfunctioning controls)
NOT OPERATIONAL
OCF Benchmarks: (note broken or missing benchmarks or other conditions requiring resurvey)
Date of last survey: $\frac{2/2/2009}{}$
OKAY
Bennett Street Parking Area: (note conditions and requirements for maintenance)
MATERIAL STORAGE
BARE SOIL ON EAST SIDE. LIGHT VEGETATION ON WEST (UPPOR) SIDE
Other: (Identify additional requirements or conditions encountered as appropriate)
6" TIRERUTS AROUND PERIMETER OF BENNETT PARKING SILT FENCE
NEED TO BERTKED OR GRADED,

NOTE: Additional pages may be attached to report form. Photographs of conditions encountered during annual inspection may be beneficial to document conditions from year to year.



DATE ? 10/31/12

Field Inspection Form - OCF Site Plan





